

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P217895

Luminaire Tested: **R2X-WO-3L35-LD5-UNV-22**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P217895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35816-R2)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R2X-WO-3L35-LD5-UNV-22
Description: CLASS R2X 2X2 RECESSED LED LUMINAIRE WITH A OPAL ROUND LENS
LIGHT LEVEL 3, 3500K CCT.
Light Source: (112) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3159.1 lumens
Efficiency: N/A
Efficacy: 119.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

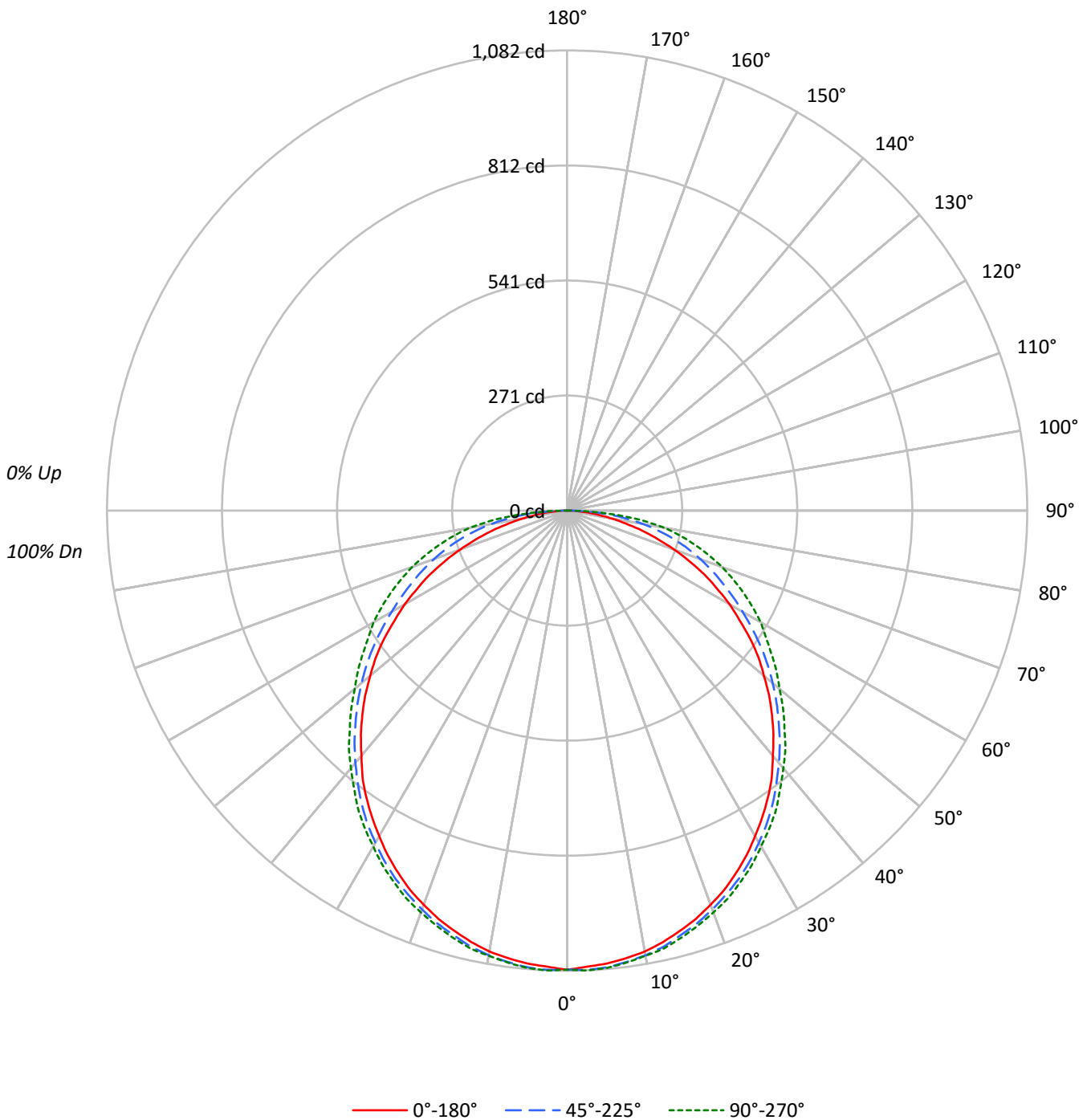
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	98	94	105	101	96	93	96	93	90	92	90	87	89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	70	63	86	76	69	62	73	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	61	55	50	48
5	75	62	52	46	73	60	52	45	58	51	45	56	50	44	54	49	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2905	2905	2905
5°	2888	2912	2916
10°	2876	2901	2905
15°	2850	2879	2896
20°	2824	2858	2879
25°	2792	2836	2862
30°	2747	2802	2834
35°	2704	2768	2816
40°	2642	2720	2778
45°	2592	2676	2750
50°	2529	2641	2727
55°	2466	2605	2751
60°	2375	2566	2829
65°	2272	2564	2913
70°	2109	2621	3052
75°	1909	2709	3232
80°	1605	2799	3580
85°	1281	2881	3659



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	3.2
10°-20°	291.4	9.2
20°-30°	439.1	13.9
30°-40°	525.6	16.6
40°-50°	542.5	17.2
50°-60°	496.5	15.7
60°-70°	401.4	12.7
70°-80°	266.6	8.4
80°-90°	93.8	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	832.6	26.4
0°-40°	1358.2	43.0
0°-60°	2397.2	75.9
0°-90°	3159.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3159.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1079	1079	1079	1079	1079	
5°	1069	1072	1078	1079	1079	102
15°	1023	1028	1034	1038	1039	289
25°	940	943	955	962	964	433
35°	823	826	842	851	857	515
45°	681	688	703	718	723	525
55°	526	533	555	576	586	469
65°	357	369	403	446	458	351
75°	184	206	261	296	311	193
85°	42	61	93	110	118	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1079.4	1079.4	1079.4	1079.4	1079.4
2.5°	1073.5	1075.0	1080.9	1082.4	1082.4
5°	1069.0	1072.0	1077.9	1079.4	1079.4
7.5°	1061.6	1064.6	1070.5	1073.5	1072.0
10°	1052.7	1054.2	1061.6	1064.6	1063.1
12.5°	1039.4	1042.4	1049.8	1052.7	1054.2
15°	1023.1	1027.6	1033.5	1037.9	1039.4
17.5°	1006.8	1009.8	1017.2	1021.7	1023.1
20°	986.1	989.1	998.0	1003.9	1005.4
22.5°	965.4	966.9	977.2	984.6	987.6
25°	940.2	943.2	955.0	962.4	963.9
27.5°	913.6	918.0	929.9	937.3	940.2
30°	884.0	889.9	901.7	910.6	912.1
32.5°	854.3	860.3	873.6	884.0	885.4
35°	823.2	826.2	842.5	851.4	857.3
37.5°	790.7	795.1	808.4	820.3	823.2
40°	752.2	761.1	774.4	786.2	790.7
42.5°	718.1	724.0	740.3	752.2	759.6
45°	681.1	688.5	703.3	718.1	722.6
47.5°	644.1	651.5	667.8	682.6	688.5
50°	604.1	611.5	630.8	647.0	651.5
52.5°	567.1	574.5	593.7	610.0	620.4
55°	525.6	533.0	555.2	576.0	586.3
57.5°	481.2	493.1	515.3	540.4	553.8
60°	441.2	450.1	476.8	510.8	525.6
62.5°	396.8	408.7	439.8	478.3	491.6
65°	356.8	368.7	402.7	445.7	457.5
67.5°	310.9	325.7	368.7	410.1	422.0
70°	268.0	284.3	333.1	373.1	387.9
72.5°	223.6	244.3	297.6	336.1	349.4
75°	183.6	205.8	260.6	296.1	310.9
77.5°	140.7	170.3	222.1	259.1	272.4
80°	103.6	133.3	180.6	217.7	231.0
82.5°	71.1	96.2	137.7	168.8	177.7
85°	41.5	60.7	93.3	109.6	118.5
87.5°	17.8	28.1	42.9	53.3	51.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)