

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P219964

Luminaire Tested: **R3-WG-2L35-LD5-UNV-14**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P219964
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35870)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: R3-WG-2L35-LD5-UNV-14
Description: CLASS R3 1X4 RECESSED LED LUMIANIRE
WITH A CLEAR SMOOTH ROUND LENS & RECTANGULAR PERF INLAY
Light Source: (168) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2740.3 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

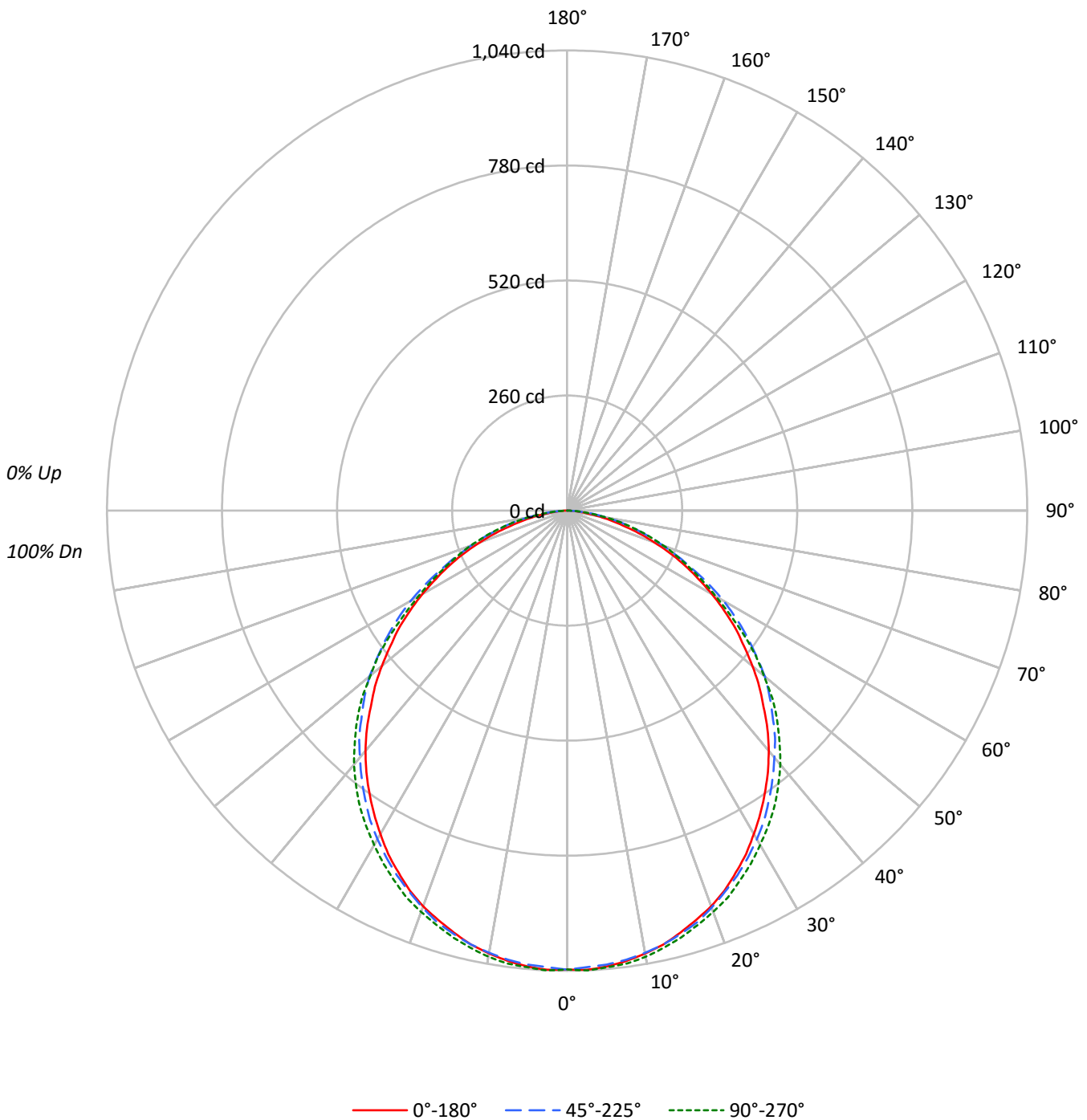
Input Watts (W): 23.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	53	47	42	52	46	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	30	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2791	2791	2791
5°	2794	2782	2798
10°	2777	2773	2798
15°	2752	2760	2781
20°	2726	2734	2764
25°	2679	2701	2741
30°	2622	2664	2711
35°	2560	2615	2684
40°	2491	2559	2633
45°	2390	2498	2555
50°	2290	2441	2429
55°	2180	2327	2279
60°	2033	2194	2089
65°	1871	1995	1947
70°	1651	1804	1828
75°	1356	1637	1652
80°	1069	1393	1393
85°	741	1019	926



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	3.6
10°-20°	280.1	10.2
20°-30°	420.4	15.3
30°-40°	498.6	18.2
40°-50°	504.0	18.4
50°-60°	433.3	15.8
60°-70°	305.8	11.2
70°-80°	163.0	5.9
80°-90°	36.9	1.3
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°	798.7	29.1
0°-40°	1297.3	47.3
0°-60°	2234.6	81.5
0°-90°	2740.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1034	1033	1030	1036	1036	98
15°	988	991	991	998	998	279
25°	902	905	910	923	923	416
35°	779	785	796	812	817	487
45°	628	638	656	668	672	485
55°	465	478	496	495	486	414
65°	294	309	313	310	306	290
75°	130	148	157	163	159	142
85°	24	28	33	30	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1037.3	1037.3	1037.3	1037.3	1037.3
2.5°	1038.8	1037.3	1032.8	1038.8	1040.3
5°	1034.3	1032.8	1029.8	1035.8	1035.8
7.5°	1026.8	1026.8	1023.8	1031.3	1032.8
10°	1016.3	1016.3	1014.8	1022.3	1023.8
12.5°	1004.3	1005.8	1004.3	1011.8	1011.8
15°	987.8	990.8	990.8	998.3	998.3
17.5°	969.8	972.8	975.8	981.8	981.8
20°	951.8	951.8	954.8	963.8	965.3
22.5°	929.3	930.8	932.3	944.3	947.3
25°	902.4	905.3	909.8	923.3	923.3
27.5°	875.4	879.9	884.4	897.9	899.4
30°	843.9	848.4	857.4	869.4	872.4
32.5°	812.4	816.9	828.9	840.9	845.4
35°	779.4	785.4	795.9	812.4	816.9
37.5°	745.0	749.5	763.0	780.9	783.9
40°	709.0	713.5	728.5	745.0	749.5
42.5°	670.0	676.0	695.5	710.5	710.5
45°	628.0	638.5	656.5	668.5	671.5
47.5°	589.1	596.6	620.6	631.0	629.5
50°	547.1	557.6	583.1	586.1	580.1
52.5°	503.6	517.1	538.1	541.1	536.6
55°	464.7	478.2	496.1	494.6	485.7
57.5°	421.2	436.2	452.7	443.7	434.7
60°	377.7	392.7	407.7	394.2	388.2
62.5°	334.3	350.7	361.2	347.7	346.3
65°	293.8	308.8	313.3	310.3	305.8
67.5°	251.8	268.3	271.3	269.8	268.3
70°	209.8	227.8	229.3	232.3	232.3
72.5°	169.4	187.4	193.4	197.9	194.9
75°	130.4	148.4	157.4	163.4	158.9
77.5°	98.9	112.4	124.4	124.4	124.4
80°	69.0	80.9	89.9	91.4	89.9
82.5°	43.5	52.5	60.0	57.0	57.0
85°	24.0	28.5	33.0	30.0	30.0
87.5°	9.0	10.5	9.0	7.5	6.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)