

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: P385329

Luminaire Tested: **22ID-70-L850-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22ID-70-L850-CNV
Description: 2X2 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

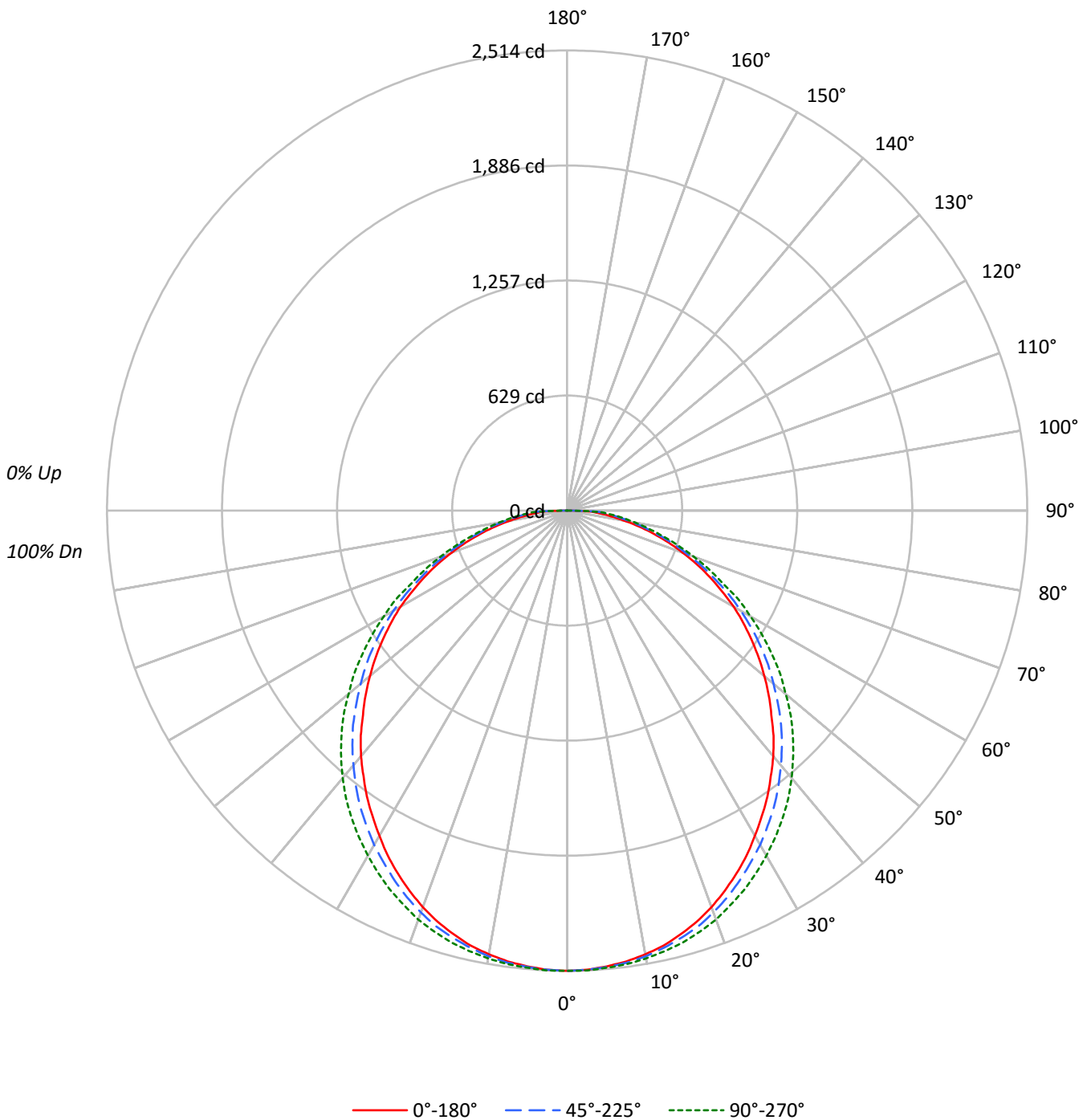
Lumens per Lamp: N/A
Luminaire Lumens: 7292.8 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 2' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 61.8
Input Voltage (V): NR
Input Current (A_{in}): 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	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6766	6766	6766
5°	6702	6692	6723
10°	6628	6619	6689
15°	6531	6524	6656
20°	6409	6415	6609
25°	6254	6276	6536
30°	6083	6135	6454
35°	5921	5985	6368
40°	5753	5807	6263
45°	5542	5629	6128
50°	5358	5402	5936
55°	5152	5178	5724
60°	4941	4899	5440
65°	4651	4549	5060
70°	4298	4170	4710
75°	3880	3752	4301
80°	3313	3311	3951
85°	2818	2993	3778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	3.3
10°-20°	681.8	9.3
20°-30°	1028.9	14.1
30°-40°	1235.0	16.9
40°-50°	1278.1	17.5
50°-60°	1157.8	15.9
60°-70°	892.1	12.2
70°-80°	552.0	7.6
80°-90°	229.3	3.1
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°	1948.6	26.7
0°-40°	3183.6	43.7
0°-60°	5619.5	77.1
0°-90°	7292.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7292.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2514	2514	2514	2514	2514	
5°	2499	2499	2503	2503	2507	237
15°	2397	2401	2416	2431	2442	676
25°	2188	2196	2230	2268	2287	1008
35°	1908	1923	1972	2025	2052	1193
45°	1578	1600	1654	1714	1744	1220
55°	1229	1248	1289	1346	1365	1100
65°	861	868	895	933	937	851
75°	489	501	520	542	542	518
85°	178	197	228	243	239	193
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2514.4	2514.4	2514.4	2514.4	2514.4
2.5°	2510.6	2510.6	2510.6	2510.6	2514.4
5°	2499.2	2499.2	2503.0	2503.0	2506.8
7.5°	2484.1	2484.1	2491.7	2491.7	2499.2
10°	2461.3	2465.1	2472.7	2476.5	2484.1
12.5°	2434.8	2434.8	2446.1	2457.5	2465.1
15°	2396.8	2400.6	2415.8	2431.0	2442.4
17.5°	2355.1	2358.9	2381.7	2396.8	2412.0
20°	2305.8	2309.6	2336.2	2358.9	2377.9
22.5°	2248.9	2256.5	2286.9	2317.2	2332.4
25°	2188.3	2195.8	2230.0	2267.9	2286.9
27.5°	2123.8	2135.2	2169.3	2211.0	2233.8
30°	2051.7	2066.9	2108.6	2154.1	2176.9
32.5°	1979.7	1994.8	2040.4	2093.4	2116.2
35°	1907.6	1922.8	1972.1	2025.2	2051.7
37.5°	1828.0	1843.1	1896.2	1953.1	1983.5
40°	1752.1	1767.3	1816.6	1881.1	1907.6
42.5°	1668.7	1683.9	1737.0	1797.6	1828.0
45°	1577.7	1600.4	1653.5	1714.2	1744.5
47.5°	1494.2	1513.2	1562.5	1627.0	1657.3
50°	1407.0	1426.0	1471.5	1536.0	1558.7
52.5°	1319.8	1338.7	1384.3	1444.9	1467.7
55°	1228.8	1247.7	1289.4	1346.3	1365.3
57.5°	1141.5	1156.7	1194.6	1247.7	1262.9
60°	1050.5	1065.7	1096.0	1145.3	1156.7
62.5°	951.9	963.3	997.4	1042.9	1058.1
65°	860.9	868.5	895.0	932.9	936.7
67.5°	766.1	773.7	800.2	826.8	838.1
70°	671.3	682.6	701.6	728.2	735.7
72.5°	580.2	591.6	610.6	633.3	637.1
75°	489.2	500.6	519.6	542.3	542.3
77.5°	402.0	413.4	436.1	455.1	455.1
80°	314.8	333.7	356.5	375.5	375.5
82.5°	242.7	257.9	288.2	303.4	303.4
85°	178.2	197.2	227.5	242.7	238.9
87.5°	128.9	147.9	174.5	185.8	182.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)