

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: P385267

Luminaire Tested: **14ID-65-L835-CNV**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385267
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: 14ID-65-L835-CNV
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -
Ballast/Driver: -

Summary

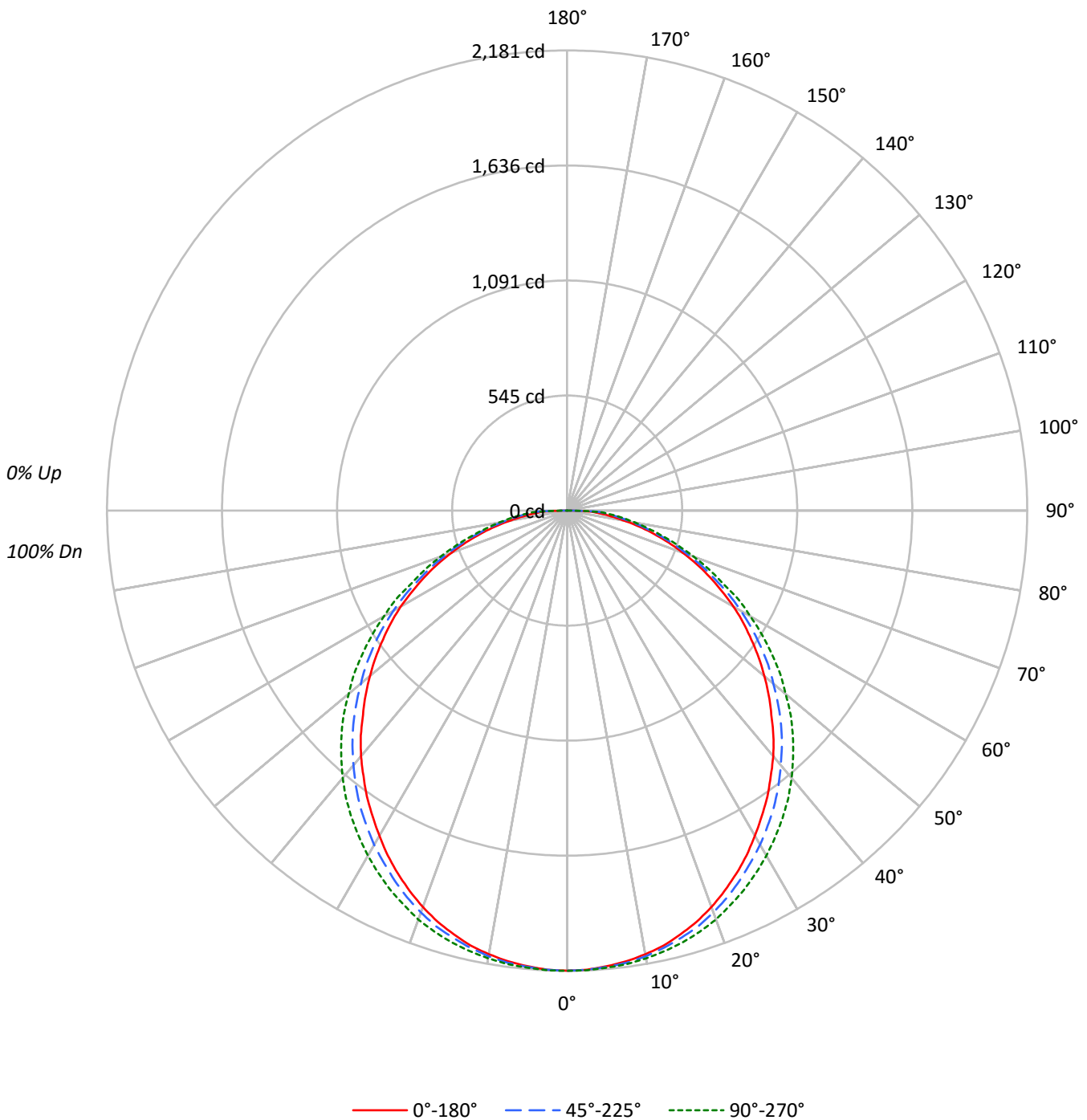
Lumens per Lamp: N/A
Luminaire Lumens: 6325.7 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 58.4
Input Voltage (V): NR
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



TEST NUMBER: P385267
CATALOG NUMBER: 14ID-65-L835-CNV

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°	5869	5869	5869
5°	5835	5790	5789
10°	5791	5712	5720
15°	5728	5616	5650
20°	5642	5508	5569
25°	5528	5374	5465
30°	5400	5238	5352
35°	5281	5094	5235
40°	5158	4926	5099
45°	5000	4757	4936
50°	4867	4545	4722
55°	4719	4335	4488
60°	4574	4076	4190
65°	4365	3756	3811
70°	4111	3409	3444
75°	3819	3024	3015
80°	3422	2611	2595
85°	3233	2271	2202



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.4	3.3
10°-20°	591.4	9.3
20°-30°	892.4	14.1
30°-40°	1071.2	16.9
40°-50°	1108.6	17.5
50°-60°	1004.3	15.9
60°-70°	773.8	12.2
70°-80°	478.8	7.6
80°-90°	198.9	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°	1690.2	26.7
0°-40°	2761.4	43.7
0°-60°	4874.3	77.1
0°-90°	6325.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6325.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2181	2181	2181	2181	2181	
5°	2168	2168	2171	2171	2174	206
15°	2079	2082	2095	2109	2118	586
25°	1898	1905	1934	1967	1984	874
35°	1655	1668	1711	1757	1780	1034
45°	1368	1388	1434	1487	1513	1058
55°	1066	1082	1118	1168	1184	954
65°	747	753	776	809	812	738
75°	424	434	451	470	470	449
85°	155	171	197	210	207	167
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2181.0	2181.0	2181.0	2181.0	2181.0
2.5°	2177.7	2177.7	2177.7	2177.7	2181.0
5°	2167.8	2167.8	2171.1	2171.1	2174.4
7.5°	2154.7	2154.7	2161.2	2161.2	2167.8
10°	2134.9	2138.2	2144.8	2148.1	2154.7
12.5°	2111.9	2111.9	2121.8	2131.6	2138.2
15°	2079.0	2082.3	2095.4	2108.6	2118.5
17.5°	2042.8	2046.1	2065.8	2079.0	2092.2
20°	2000.0	2003.3	2026.4	2046.1	2062.5
22.5°	1950.7	1957.3	1983.6	2009.9	2023.1
25°	1898.1	1904.7	1934.3	1967.2	1983.6
27.5°	1842.1	1852.0	1881.6	1917.8	1937.5
30°	1779.6	1792.8	1829.0	1868.5	1888.2
32.5°	1717.1	1730.3	1769.8	1815.8	1835.6
35°	1654.6	1667.8	1710.6	1756.6	1779.6
37.5°	1585.6	1598.7	1644.8	1694.1	1720.4
40°	1519.8	1532.9	1575.7	1631.6	1654.6
42.5°	1447.4	1460.6	1506.6	1559.2	1585.6
45°	1368.5	1388.2	1434.2	1486.9	1513.2
47.5°	1296.1	1312.5	1355.3	1411.2	1437.5
50°	1220.4	1236.9	1276.3	1332.3	1352.0
52.5°	1144.8	1161.2	1200.7	1253.3	1273.1
55°	1065.8	1082.3	1118.4	1167.8	1184.2
57.5°	990.2	1003.3	1036.2	1082.3	1095.4
60°	911.2	924.4	950.7	993.4	1003.3
62.5°	825.7	835.5	865.2	904.6	917.8
65°	746.7	753.3	776.3	809.2	812.5
67.5°	664.5	671.1	694.1	717.1	727.0
70°	582.3	592.1	608.6	631.6	638.2
72.5°	503.3	513.2	529.6	549.4	552.6
75°	424.4	434.2	450.7	470.4	470.4
77.5°	348.7	358.6	378.3	394.7	394.7
80°	273.0	289.5	309.2	325.7	325.7
82.5°	210.5	223.7	250.0	263.2	263.2
85°	154.6	171.1	197.4	210.5	207.2
87.5°	111.8	128.3	151.3	161.2	157.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)