

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: P383755

Luminaire Tested: **14ID-65-L835-CFR1**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-65)
Test Lab: INNOVATION CENTER (G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-65-L835-CFR1
Description: 1X4 IN DEPTH TROFFER WITH 1INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

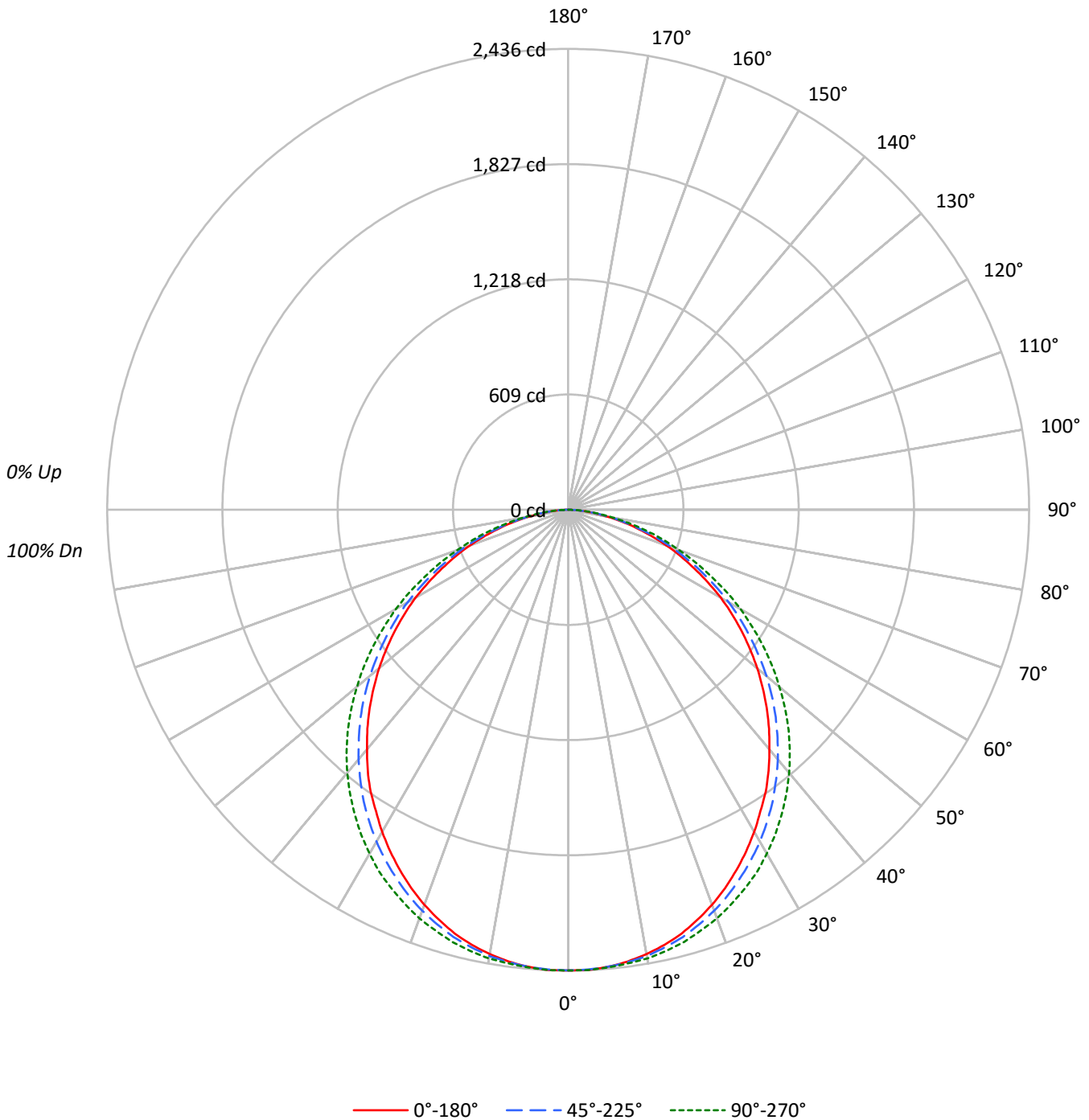
Lumens per Lamp: N/A
Luminaire Lumens: 6614.5 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.28 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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



TEST NUMBER: P383755
CATALOG NUMBER: 14ID-65-L835-CFR1

Luminous Intensity Polar Plot





TEST NUMBER: P383755

CATALOG NUMBER: 14ID-65-L835-CFR1

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	104	100	96	106	102	98	95	98	95	92		94	91	89		90	88	86	84
2	99	91	84	79	97	89	83	78	86	81	76		82	78	74		79	76	73	71
3	91	80	72	66	88	79	71	65	76	69	64		73	67	63		70	66	62	60
4	83	71	62	56	81	70	62	55	67	60	55		65	59	54		63	58	53	51
5	76	64	55	48	74	63	54	48	60	53	47		58	52	47		57	51	46	44
6	71	57	48	42	69	56	48	42	55	47	42		53	46	41		51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37		48	42	37		47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33		44	38	33		43	37	32	31
9	57	44	35	30	56	43	35	30	42	35	30		41	34	30		40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27		38	31	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6554	6554	6554
5°	6552	6552	6561
10°	6519	6546	6582
15°	6461	6516	6590
20°	6365	6460	6584
25°	6244	6382	6560
30°	6110	6296	6524
35°	5979	6186	6460
40°	5809	6054	6382
45°	5647	5901	6268
50°	5460	5725	6101
55°	5245	5510	5901
60°	5014	5282	5659
65°	4682	4958	5296
70°	4345	4581	4895
75°	3874	4082	4428
80°	3248	3403	3713
85°	2467	2467	2773



TEST NUMBER: P383755

CATALOG NUMBER: 14ID-65-L835-CFR1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.5	3.5
10°-20°	659.6	10.0
20°-30°	991.7	15.0
30°-40°	1179.8	17.8
40°-50°	1200.4	18.1
50°-60°	1056.5	16.0
60°-70°	775.0	11.7
70°-80°	420.7	6.4
80°-90°	100.4	1.5
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°	1881.8	28.4
0°-40°	3061.6	46.3
0°-60°	5318.5	80.4
0°-90°	6614.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6614.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2436	2436	2436	2436	2436	
5°	2426	2422	2426	2426	2429	230
15°	2319	2322	2339	2352	2366	653
25°	2103	2116	2149	2186	2209	968
35°	1820	1833	1883	1940	1966	1136
45°	1484	1497	1550	1617	1647	1144
55°	1118	1135	1174	1231	1258	1000
65°	735	749	779	812	832	731
75°	373	379	393	413	426	396
85°	80	80	80	86	90	96
90°	0	0	0	0	0	



TEST NUMBER: P383755

CATALOG NUMBER: 14ID-65-L835-CFR1

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2435.5	2435.5	2435.5	2435.5	2435.5
2.5°	2435.5	2432.2	2432.2	2432.2	2435.5
5°	2425.5	2422.2	2425.5	2425.5	2428.9
7.5°	2408.9	2405.6	2412.2	2415.6	2418.9
10°	2385.6	2385.6	2395.6	2402.2	2408.9
12.5°	2355.7	2359.0	2369.0	2379.0	2388.9
15°	2319.1	2322.4	2339.0	2352.3	2365.6
17.5°	2272.5	2279.1	2299.1	2319.1	2332.4
20°	2222.6	2232.6	2255.8	2282.5	2299.1
22.5°	2166.0	2179.3	2205.9	2239.2	2255.8
25°	2102.8	2116.1	2149.4	2186.0	2209.3
27.5°	2036.2	2052.9	2089.5	2132.7	2159.4
30°	1966.4	1983.0	2026.3	2072.8	2099.5
32.5°	1889.9	1909.8	1956.4	2009.6	2036.2
35°	1820.0	1833.3	1883.2	1939.8	1966.4
37.5°	1740.1	1756.8	1803.3	1863.2	1893.2
40°	1653.6	1670.3	1723.5	1783.4	1816.7
42.5°	1570.4	1583.7	1637.0	1703.5	1733.5
45°	1483.9	1497.2	1550.5	1617.0	1647.0
47.5°	1394.1	1410.7	1460.6	1523.9	1553.8
50°	1304.3	1317.6	1367.5	1427.4	1457.3
52.5°	1211.1	1224.4	1271.0	1330.9	1360.8
55°	1117.9	1134.6	1174.5	1231.1	1257.7
57.5°	1024.8	1041.4	1078.0	1131.2	1154.5
60°	931.6	944.9	981.5	1028.1	1051.4
62.5°	831.8	841.8	878.4	925.0	944.9
65°	735.3	748.6	778.6	811.8	831.8
67.5°	645.5	652.1	678.7	715.3	728.7
70°	552.3	559.0	582.3	612.2	622.2
72.5°	459.2	469.1	485.8	512.4	525.7
75°	372.6	379.3	392.6	412.6	425.9
77.5°	289.5	292.8	302.8	319.4	329.4
80°	209.6	212.9	219.6	232.9	239.6
82.5°	139.7	143.1	146.4	153.1	159.7
85°	79.9	79.9	79.9	86.5	89.8
87.5°	29.9	26.6	26.6	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)