

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: P383919

Luminaire Tested: **14ID-60-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P383919
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-66)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-60-L835-CFR2
Description: 1X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

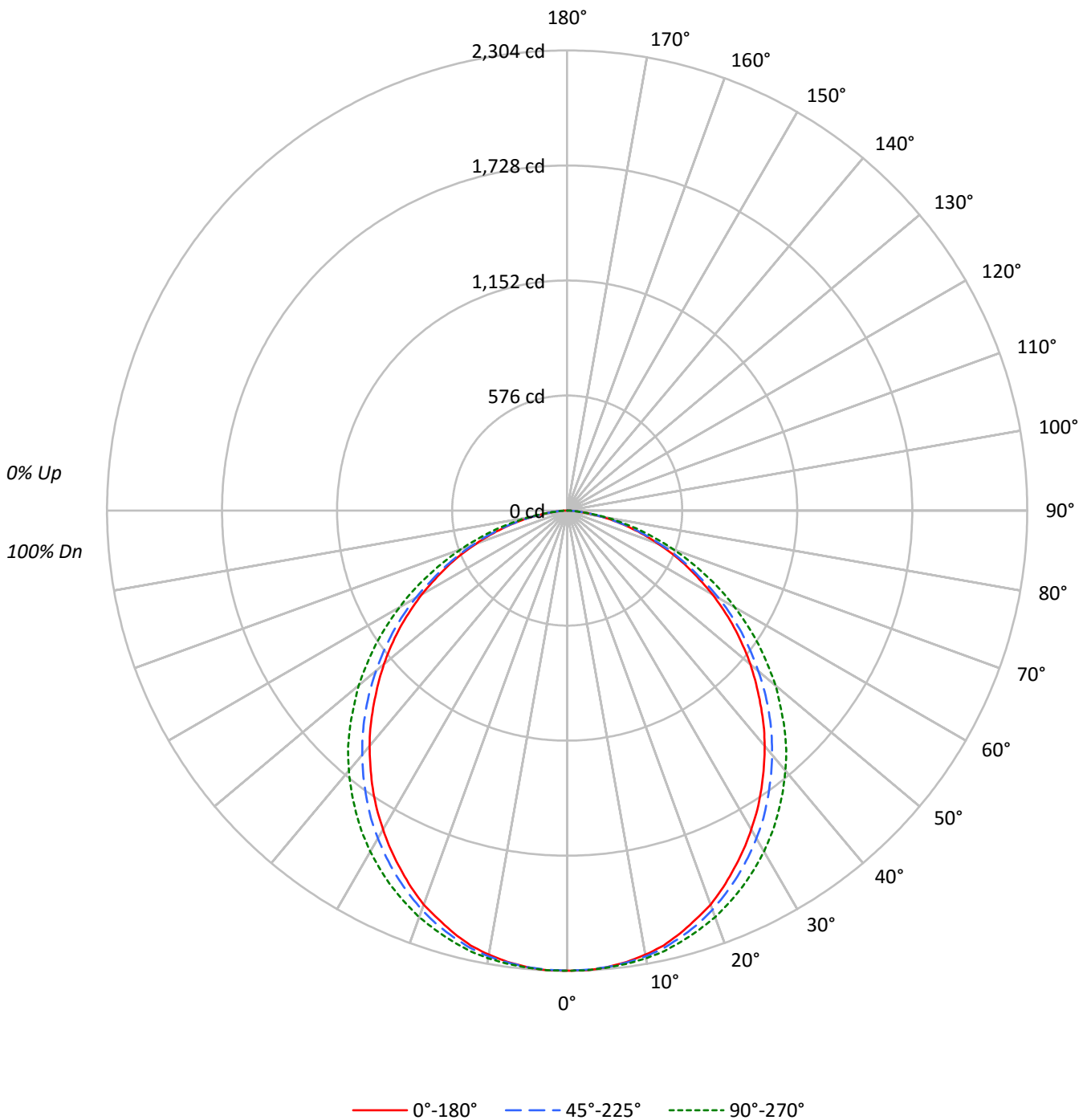
Lumens per Lamp: N/A
Luminaire Lumens: 6081.1 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 53.3
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: P383919
CATALOG NUMBER: 14ID-60-L835-CFR2

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	33		45	38	33		44	38	33	31
9	57	44	36	30	56	43	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	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6199	6199	6199
5°	6198	6198	6206
10°	6170	6195	6220
15°	6104	6154	6214
20°	6012	6091	6204
25°	5872	5998	6170
30°	5728	5889	6126
35°	5575	5756	6056
40°	5406	5609	5973
45°	5206	5439	5856
50°	5013	5230	5702
55°	4789	5004	5490
60°	4526	4723	5215
65°	4210	4346	4870
70°	3812	3956	4460
75°	3326	3453	3897
80°	2692	2738	3070
85°	1599	1788	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	3.6
10°-20°	623.3	10.2
20°-30°	932.4	15.3
30°-40°	1101.6	18.1
40°-50°	1111.6	18.3
50°-60°	965.3	15.9
60°-70°	692.2	11.4
70°-80°	360.6	5.9
80°-90°	76.1	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°	1773.8	29.2
0°-40°	2875.3	47.3
0°-60°	4952.2	81.4
0°-90°	6081.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6081.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2294	2291	2294	2294	2298	218
15°	2191	2194	2209	2224	2230	617
25°	1978	1990	2020	2060	2078	911
35°	1697	1709	1752	1816	1844	1061
45°	1368	1383	1429	1502	1539	1056
55°	1021	1030	1066	1137	1170	912
65°	661	658	682	734	765	654
75°	320	317	332	356	375	341
85°	52	58	58	52	49	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2303.6	2303.6	2303.6	2303.6	2303.6
2.5°	2303.6	2300.6	2300.6	2300.6	2303.6
5°	2294.5	2291.4	2294.5	2294.5	2297.5
7.5°	2279.2	2276.2	2282.3	2285.3	2288.4
10°	2257.9	2257.9	2267.0	2273.1	2276.2
12.5°	2230.5	2230.5	2242.7	2251.8	2257.9
15°	2190.9	2193.9	2209.1	2224.4	2230.5
17.5°	2145.2	2154.3	2172.6	2193.9	2200.0
20°	2099.4	2105.5	2126.9	2154.3	2166.5
22.5°	2041.6	2050.7	2075.1	2111.6	2123.8
25°	1977.6	1989.8	2020.2	2059.8	2078.1
27.5°	1913.6	1922.7	1959.3	2005.0	2026.3
30°	1843.5	1855.7	1895.3	1947.1	1971.5
32.5°	1773.4	1782.5	1828.3	1883.1	1910.5
35°	1697.2	1709.4	1752.1	1816.1	1843.5
37.5°	1618.0	1633.2	1675.9	1742.9	1773.4
40°	1538.8	1547.9	1596.7	1663.7	1700.3
42.5°	1456.5	1468.7	1514.4	1587.5	1624.1
45°	1368.1	1383.4	1429.1	1502.2	1538.8
47.5°	1282.8	1298.1	1340.7	1413.9	1447.4
50°	1197.5	1206.6	1249.3	1322.4	1362.0
52.5°	1109.1	1118.3	1157.9	1228.0	1264.5
55°	1020.8	1029.9	1066.5	1136.6	1170.1
57.5°	929.4	935.5	972.0	1036.0	1069.5
60°	841.0	844.0	877.6	935.5	969.0
62.5°	746.5	749.6	774.0	841.0	871.5
65°	661.2	658.2	682.5	734.3	764.8
67.5°	572.9	572.9	594.2	639.9	664.3
70°	484.5	484.5	502.8	542.4	566.8
72.5°	402.2	402.2	417.5	447.9	466.2
75°	319.9	316.9	332.1	356.5	374.8
77.5°	243.8	243.8	249.9	271.2	283.4
80°	173.7	173.7	176.7	188.9	198.1
82.5°	109.7	109.7	109.7	115.8	118.8
85°	51.8	57.9	57.9	51.8	48.8
87.5°	24.4	24.4	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)