

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: P384027

Luminaire Tested: **24ID-60-L835-CFR2**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P384027
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: 24ID-60-L835-CFR2
Description: 2X4 IN DEPTH TROFFER WITH 2INCH RECESSED COFFER LENS

Light Source: -
Ballast/Driver: -

Summary

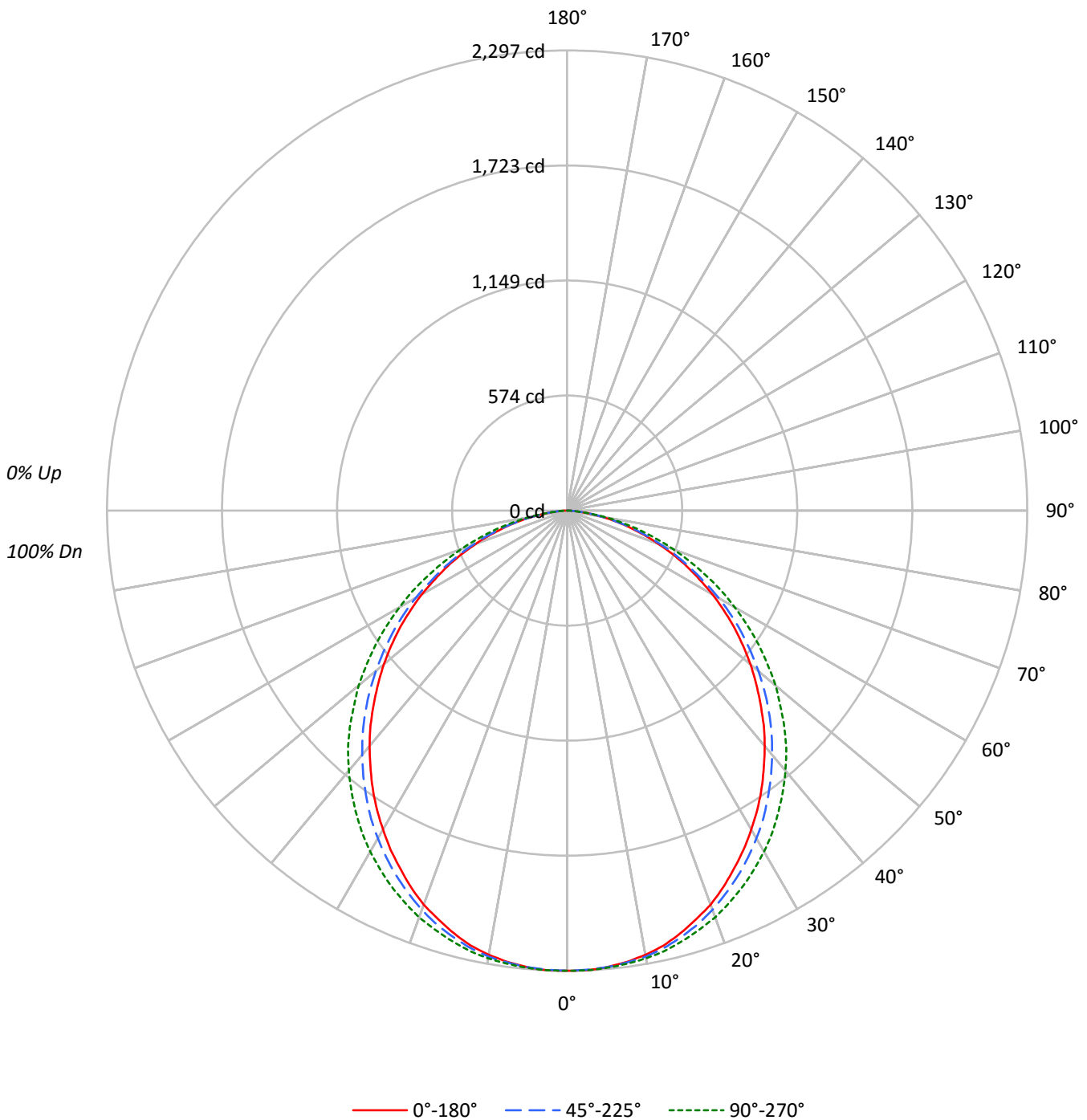
Lumens per Lamp: N/A
Luminaire Lumens: 6063.7 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 54.5
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	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°	3091	3091	3091
5°	3090	3090	3094
10°	3076	3088	3101
15°	3043	3068	3098
20°	2997	3037	3093
25°	2927	2991	3076
30°	2856	2936	3054
35°	2780	2870	3019
40°	2695	2796	2978
45°	2596	2712	2920
50°	2500	2608	2843
55°	2388	2495	2737
60°	2257	2355	2600
65°	2099	2167	2428
70°	1900	1972	2223
75°	1658	1722	1943
80°	1342	1365	1530
85°	798	891	750



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.6
10°-20°	621.5	10.2
20°-30°	929.7	15.3
30°-40°	1098.4	18.1
40°-50°	1108.4	18.3
50°-60°	962.5	15.9
60°-70°	690.2	11.4
70°-80°	359.6	5.9
80°-90°	75.9	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°	1768.7	29.2
0°-40°	2867.1	47.3
0°-60°	4938.0	81.4
0°-90°	6063.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6063.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2297	2297	2297	2297	2297	
5°	2288	2285	2288	2288	2291	217
15°	2185	2188	2203	2218	2224	616
25°	1972	1984	2014	2054	2072	909
35°	1692	1704	1747	1811	1838	1058
45°	1364	1379	1425	1498	1534	1053
55°	1018	1027	1063	1133	1167	909
65°	659	656	681	732	763	652
75°	319	316	331	356	374	340
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°	2297.0	2297.0	2297.0	2297.0	2297.0
2.5°	2297.0	2294.0	2294.0	2294.0	2297.0
5°	2287.9	2284.9	2287.9	2287.9	2290.9
7.5°	2272.7	2269.7	2275.7	2278.8	2281.8
10°	2251.4	2251.4	2260.5	2266.6	2269.7
12.5°	2224.1	2224.1	2236.2	2245.4	2251.4
15°	2184.6	2187.6	2202.8	2218.0	2224.1
17.5°	2139.0	2148.1	2166.4	2187.6	2193.7
20°	2093.4	2099.5	2120.8	2148.1	2160.3
22.5°	2035.7	2044.8	2069.1	2105.6	2117.7
25°	1971.9	1984.1	2014.4	2053.9	2072.2
27.5°	1908.1	1917.2	1953.7	1999.2	2020.5
30°	1838.2	1850.4	1889.9	1941.5	1965.8
32.5°	1768.3	1777.4	1823.0	1877.7	1905.1
35°	1692.4	1704.5	1747.1	1810.9	1838.2
37.5°	1613.4	1628.6	1671.1	1737.9	1768.3
40°	1534.4	1543.5	1592.1	1659.0	1695.4
42.5°	1452.3	1464.5	1510.1	1583.0	1619.5
45°	1364.2	1379.4	1425.0	1497.9	1534.4
47.5°	1279.2	1294.3	1336.9	1409.8	1443.2
50°	1194.1	1203.2	1245.7	1318.7	1358.2
52.5°	1106.0	1115.1	1154.6	1224.5	1260.9
55°	1017.9	1027.0	1063.4	1133.3	1166.7
57.5°	926.7	932.8	969.2	1033.0	1066.5
60°	838.6	841.6	875.1	932.8	966.2
62.5°	744.4	747.4	771.7	838.6	869.0
65°	659.3	656.3	680.6	732.2	762.6
67.5°	571.2	571.2	592.5	638.1	662.4
70°	483.1	483.1	501.3	540.8	565.1
72.5°	401.1	401.1	416.3	446.6	464.9
75°	319.0	316.0	331.2	355.5	373.7
77.5°	243.1	243.1	249.1	270.4	282.6
80°	173.2	173.2	176.2	188.4	197.5
82.5°	109.4	109.4	109.4	115.5	118.5
85°	51.7	57.7	57.7	51.7	48.6
87.5°	24.3	24.3	21.3	21.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)