

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: P385099

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

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385099
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-72)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 2/25/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14ID-65-L835-CNC
Description: 1X4 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

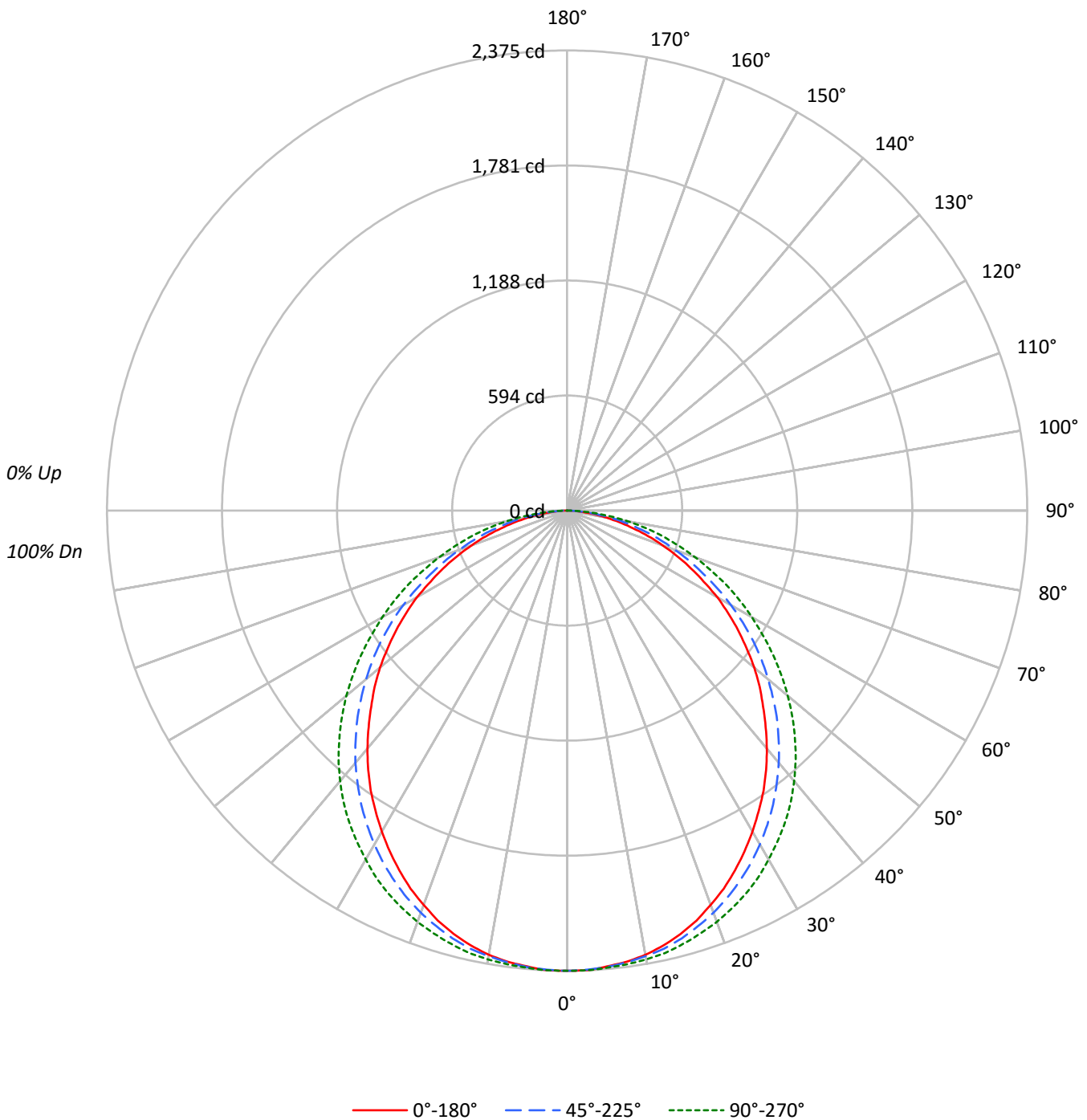
Lumens per Lamp: N/A
Luminaire Lumens: 6594.6 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	104	100	96	106	102	98	94	98	94	91		94	91	89		90	88	86	84
2	99	91	84	78	96	89	83	77	85	80	75		82	78	74		79	75	72	70
3	90	80	72	65	88	78	71	65	75	69	63		72	67	62		70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54		65	58	53		62	57	53	50
5	76	63	54	48	74	62	54	47	60	52	47		58	51	46		56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41		52	46	41		51	45	40	38
7	65	52	43	37	63	51	42	37	49	42	36		48	41	36		46	40	36	34
8	61	47	39	33	59	46	38	33	45	38	32		44	37	32		43	37	32	30
9	57	43	35	29	55	43	35	29	42	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27		37	31	26		37	31	26	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6391	6391	6391
5°	6380	6389	6398
10°	6363	6381	6427
15°	6302	6367	6450
20°	6202	6325	6468
25°	6084	6262	6479
30°	5944	6181	6460
35°	5803	6087	6448
40°	5632	5971	6404
45°	5444	5836	6330
50°	5278	5668	6225
55°	5057	5493	6086
60°	4816	5264	5926
65°	4490	4956	5761
70°	4135	4659	5522
75°	3666	4323	5292
80°	3093	3866	4897
85°	2260	2979	3903



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.8	3.4
10°-20°	645.0	9.8
20°-30°	972.8	14.8
30°-40°	1161.4	17.6
40°-50°	1187.0	18.0
50°-60°	1052.5	16.0
60°-70°	784.6	11.9
70°-80°	448.2	6.8
80°-90°	118.2	1.8
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°	1842.7	27.9
0°-40°	3004.0	45.6
0°-60°	5243.5	79.5
0°-90°	6594.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6594.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2375	2375	2375	2375	2375	
5°	2362	2362	2365	2365	2368	224
15°	2262	2269	2285	2305	2315	637
25°	2049	2066	2109	2156	2182	943
35°	1766	1790	1853	1926	1963	1104
45°	1430	1460	1534	1617	1663	1105
55°	1078	1098	1171	1254	1297	963
65°	705	722	778	858	905	699
75°	353	369	416	479	509	376
85°	73	76	96	120	126	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2375.1	2375.1	2375.1	2375.1	2375.1
2.5°	2375.1	2371.8	2371.8	2371.8	2375.1
5°	2361.8	2361.8	2365.2	2365.2	2368.5
7.5°	2348.5	2348.5	2351.9	2355.2	2361.8
10°	2328.6	2328.6	2335.2	2345.2	2351.9
12.5°	2298.6	2302.0	2315.3	2328.6	2338.6
15°	2262.0	2268.7	2285.3	2305.3	2315.3
17.5°	2218.8	2225.5	2248.7	2275.3	2288.7
20°	2165.6	2178.9	2208.8	2242.1	2258.7
22.5°	2112.3	2125.7	2162.2	2202.2	2222.1
25°	2049.1	2065.8	2109.0	2155.6	2182.2
27.5°	1982.6	2002.6	2052.5	2105.7	2135.6
30°	1912.8	1936.0	1989.3	2049.1	2079.1
32.5°	1839.6	1862.9	1922.7	1989.3	2022.5
35°	1766.4	1789.7	1852.9	1926.1	1962.7
37.5°	1686.6	1709.8	1776.4	1856.2	1896.1
40°	1603.4	1630.0	1699.9	1779.7	1822.9
42.5°	1516.9	1546.8	1616.7	1703.2	1746.4
45°	1430.4	1460.3	1533.5	1616.7	1663.3
47.5°	1347.2	1370.5	1443.7	1530.2	1576.8
50°	1260.8	1280.7	1353.9	1440.4	1487.0
52.5°	1167.6	1194.2	1264.1	1350.6	1393.8
55°	1077.8	1097.8	1170.9	1254.1	1297.3
57.5°	984.7	1004.6	1074.5	1157.6	1197.6
60°	894.8	914.8	978.0	1061.2	1101.1
62.5°	795.0	815.0	878.2	964.7	1004.6
65°	705.2	721.9	778.4	858.2	904.8
67.5°	615.4	632.0	685.3	761.8	798.4
70°	525.6	538.9	592.1	662.0	701.9
72.5°	439.1	452.4	505.6	568.8	602.1
75°	352.6	369.2	415.8	479.0	509.0
77.5°	272.8	289.4	329.3	385.9	412.5
80°	199.6	212.9	249.5	292.7	316.0
82.5°	133.1	143.0	169.7	206.2	222.9
85°	73.2	76.5	96.5	119.8	126.4
87.5°	29.9	29.9	36.6	39.9	43.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)