

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: P385155

Luminaire Tested: **22ID-65-L835-CNC**

Issue Date: 2/25/2020

Test Information

Test Method: LM-79-08
Report Number: P385155
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: 22ID-65-L835-CNC
Description: 2X2 IN DEPTH TROFFER WITH CONCAVE LENS

Light Source: -
Ballast/Driver: -

Summary

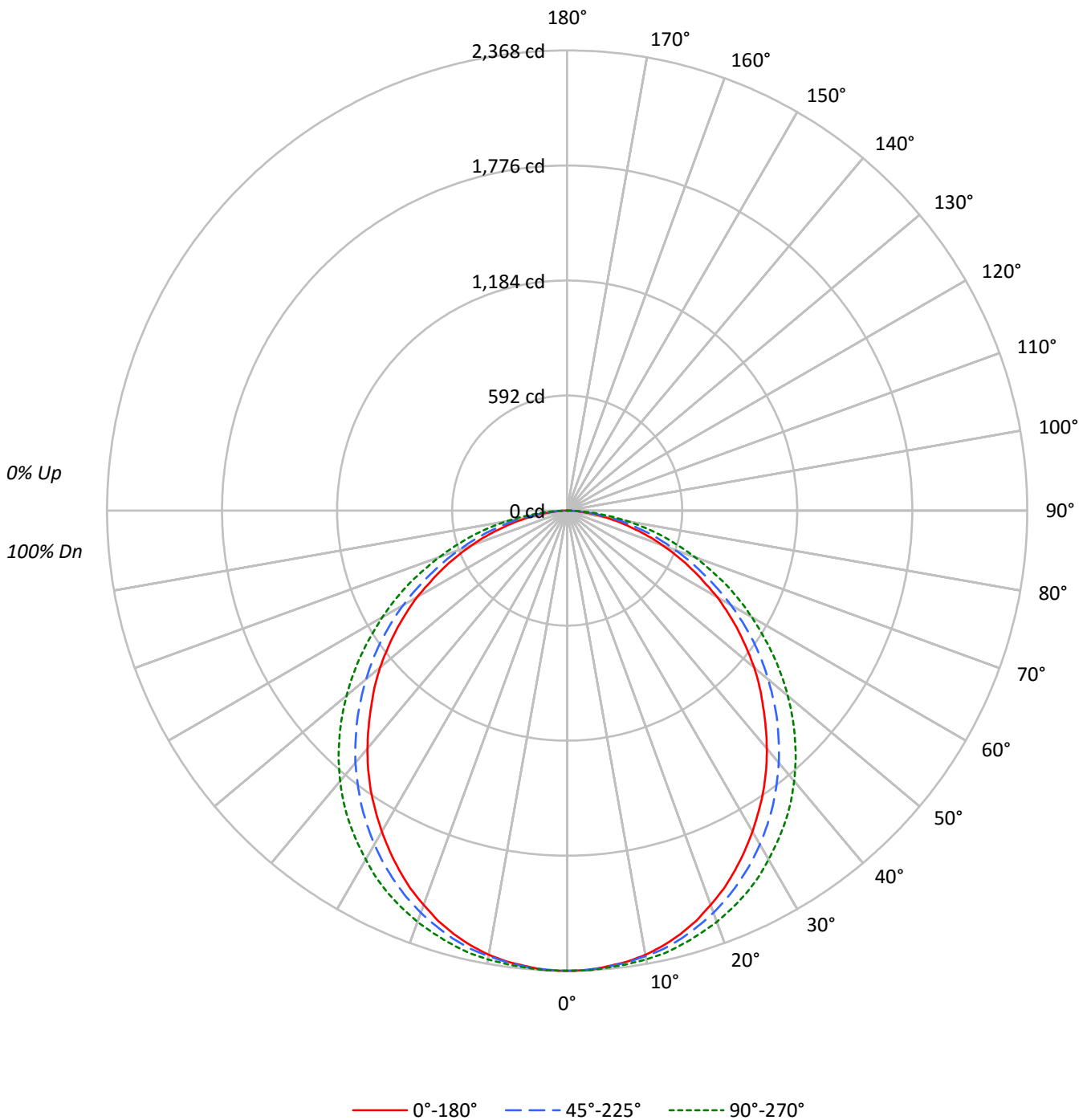
Lumens per Lamp: N/A
Luminaire Lumens: 6575.0 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.36
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 56
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°	6373	6373	6373
5°	6361	6370	6379
10°	6344	6362	6407
15°	6283	6348	6431
20°	6183	6307	6449
25°	6066	6244	6460
30°	5926	6163	6441
35°	5785	6069	6428
40°	5616	5954	6385
45°	5428	5819	6311
50°	5262	5651	6206
55°	5042	5477	6069
60°	4802	5248	5908
65°	4477	4942	5744
70°	4123	4645	5506
75°	3656	4311	5276
80°	3084	3854	4883
85°	2254	2970	3890



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.2	3.4
10°-20°	643.1	9.8
20°-30°	969.9	14.8
30°-40°	1157.9	17.6
40°-50°	1183.4	18.0
50°-60°	1049.4	16.0
60°-70°	782.3	11.9
70°-80°	446.9	6.8
80°-90°	117.9	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°	1837.2	27.9
0°-40°	2995.1	45.6
0°-60°	5228.0	79.5
0°-90°	6575.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6575.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2368	2368	2368	2368	2368	
5°	2355	2355	2358	2358	2362	224
15°	2255	2262	2278	2298	2308	635
25°	2043	2060	2103	2149	2176	941
35°	1761	1784	1847	1920	1957	1100
45°	1426	1456	1529	1612	1658	1102
55°	1075	1094	1168	1250	1294	960
65°	703	720	776	856	902	697
75°	352	368	415	478	507	375
85°	73	76	96	119	126	91
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2368.1	2368.1	2368.1	2368.1	2368.1
2.5°	2368.1	2364.8	2364.8	2364.8	2368.1
5°	2354.8	2354.8	2358.1	2358.1	2361.5
7.5°	2341.6	2341.6	2344.9	2348.2	2354.8
10°	2321.7	2321.7	2328.3	2338.2	2344.9
12.5°	2291.8	2295.1	2308.4	2321.7	2331.6
15°	2255.3	2262.0	2278.5	2298.4	2308.4
17.5°	2212.2	2218.8	2242.1	2268.6	2281.9
20°	2159.1	2172.4	2202.3	2235.4	2252.0
22.5°	2106.1	2119.3	2155.8	2195.6	2215.5
25°	2043.1	2059.6	2102.8	2149.2	2175.7
27.5°	1976.7	1996.6	2046.4	2099.4	2129.3
30°	1907.1	1930.3	1983.4	2043.1	2072.9
32.5°	1834.1	1857.3	1917.0	1983.4	2016.5
35°	1761.1	1784.4	1847.4	1920.3	1956.8
37.5°	1681.5	1704.8	1771.1	1850.7	1890.5
40°	1598.6	1625.2	1694.8	1774.4	1817.5
42.5°	1512.4	1542.2	1611.9	1698.1	1741.2
45°	1426.2	1456.0	1529.0	1611.9	1658.3
47.5°	1343.2	1366.5	1439.4	1525.7	1572.1
50°	1257.0	1276.9	1349.9	1436.1	1482.5
52.5°	1164.1	1190.7	1260.3	1346.6	1389.7
55°	1074.6	1094.5	1167.5	1250.4	1293.5
57.5°	981.7	1001.6	1071.3	1154.2	1194.0
60°	892.2	912.1	975.1	1058.0	1097.8
62.5°	792.7	812.6	875.6	961.8	1001.6
65°	703.1	719.7	776.1	855.7	902.1
67.5°	613.6	630.2	683.2	759.5	796.0
70°	524.0	537.3	590.4	660.0	699.8
72.5°	437.8	451.1	504.1	567.1	600.3
75°	351.6	368.1	414.6	477.6	507.4
77.5°	272.0	288.5	328.3	384.7	411.3
80°	199.0	212.3	248.7	291.9	315.1
82.5°	132.7	142.6	169.1	205.6	222.2
85°	73.0	76.3	96.2	119.4	126.0
87.5°	29.8	29.8	36.5	39.8	43.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)