

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: P385265

Luminaire Tested: **14ID-60-L850-CNV**

Issue Date: 2/25/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P385265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1911-572-73)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 2/25/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 14ID-60-L850-CNV  
Description: 1X4 IN DEPTH TROFFER WITH CONVEX LENS

Light Source: -  
Ballast/Driver: -

**Summary**

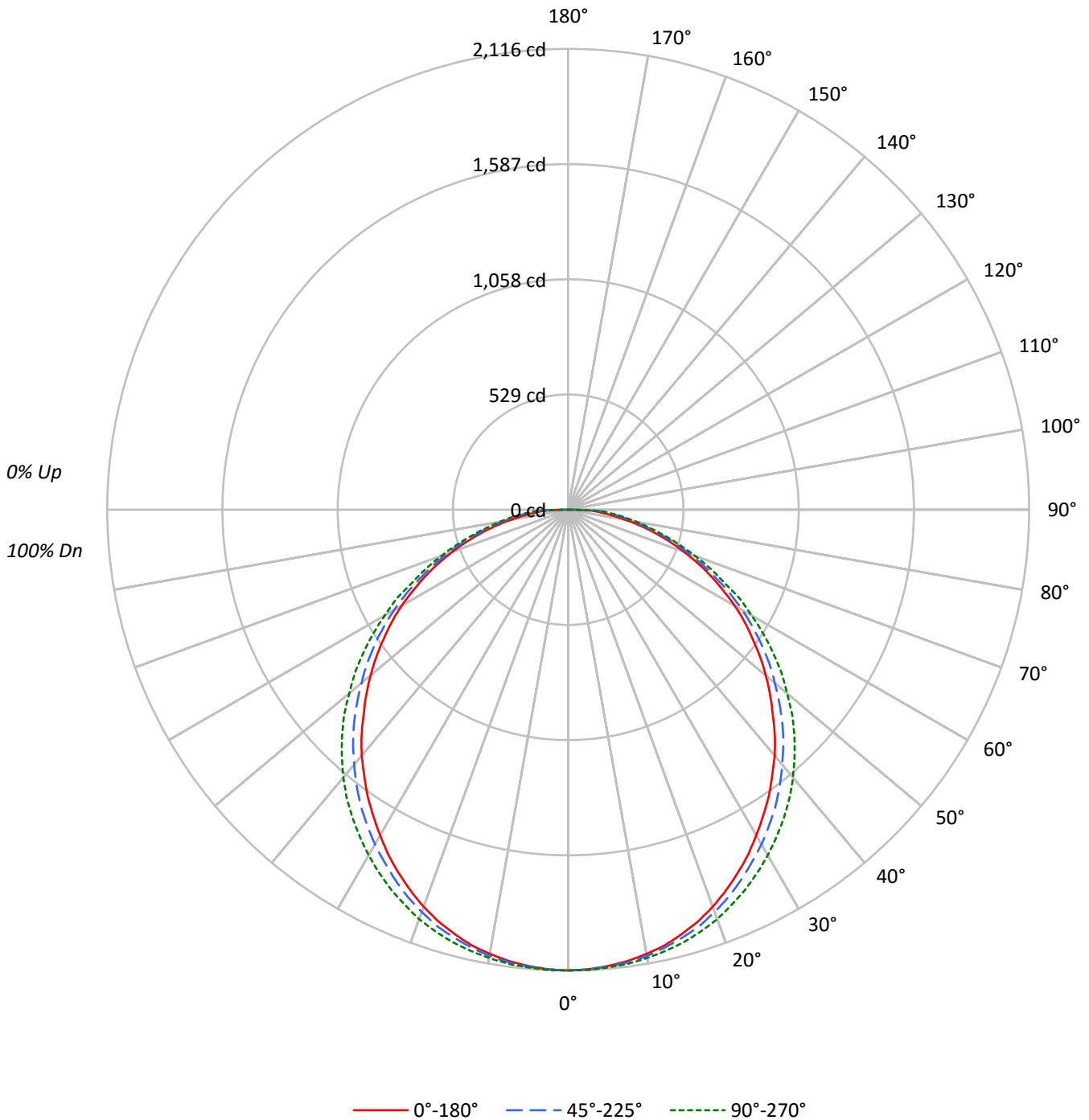
Lumens per Lamp: N/A  
Luminaire Lumens: 6136.4 lumens  
Efficiency: N/A  
Efficacy: 115.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 53.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P385265  
CATALOG NUMBER: 14ID-60-L850-CNV

### Luminous Intensity Polar Plot





TEST NUMBER: P385265

CATALOG NUMBER: 14ID-60-L850-CNV

**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	108	103	99	94	105	101	97	93	96	93	90	93	90	87	89	87	85	82
2	98	90	82	77	95	88	81	76	84	79	74	81	76	72	78	74	70	68
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	60	57
4	82	69	60	54	79	68	60	53	66	58	52	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	28	54	42	34	28	41	33	28	40	33	28	38	32	28	26
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5693	5693	5693
5°	5660	5617	5616
10°	5618	5541	5548
15°	5557	5448	5481
20°	5473	5343	5402
25°	5363	5213	5301
30°	5238	5081	5192
35°	5123	4942	5079
40°	5004	4779	4947
45°	4850	4615	4788
50°	4722	4409	4581
55°	4578	4206	4353
60°	4437	3954	4065
65°	4234	3644	3697
70°	3987	3307	3341
75°	3704	2933	2925
80°	3320	2533	2517
85°	3137	2203	2136



TEST NUMBER: P385265

CATALOG NUMBER: 14ID-60-L850-CNV

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	200.2	3.3
10°-20°	573.7	9.3
20°-30°	865.7	14.1
30°-40°	1039.1	16.9
40°-50°	1075.4	17.5
50°-60°	974.3	15.9
60°-70°	750.6	12.2
70°-80°	464.5	7.6
80°-90°	192.9	3.1
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°	1639.6	26.7
0°-40°	2678.8	43.7
0°-60°	4728.4	77.1
0°-90°	6136.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6136.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2116	2116	2116	2116	2116	
5°	2103	2103	2106	2106	2109	200
15°	2017	2020	2033	2046	2055	569
25°	1841	1848	1876	1908	1924	848
35°	1605	1618	1659	1704	1726	1003
45°	1328	1347	1391	1442	1468	1027
55°	1034	1050	1085	1133	1149	926
65°	724	731	753	785	788	716
75°	412	421	437	456	456	436
85°	150	166	192	204	201	162
90°	0	0	0	0	0	



TEST NUMBER: P385265

CATALOG NUMBER: 14ID-60-L850-CNV

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2115.7	2115.7	2115.7	2115.7	2115.7
2.5°	2112.5	2112.5	2112.5	2112.5	2115.7
5°	2102.9	2102.9	2106.1	2106.1	2109.3
7.5°	2090.2	2090.2	2096.6	2096.6	2102.9
10°	2071.0	2074.2	2080.6	2083.8	2090.2
12.5°	2048.7	2048.7	2058.3	2067.8	2074.2
15°	2016.8	2020.0	2032.7	2045.5	2055.1
17.5°	1981.7	1984.9	2004.0	2016.8	2029.5
20°	1940.2	1943.4	1965.7	1984.9	2000.8
22.5°	1892.3	1898.7	1924.2	1949.8	1962.5
25°	1841.3	1847.7	1876.4	1908.3	1924.2
27.5°	1787.0	1796.6	1825.3	1860.4	1879.6
30°	1726.4	1739.2	1774.3	1812.6	1831.7
32.5°	1665.8	1678.5	1716.8	1761.5	1780.6
35°	1605.1	1617.9	1659.4	1704.1	1726.4
37.5°	1538.1	1550.9	1595.6	1643.4	1669.0
40°	1474.3	1487.1	1528.5	1582.8	1605.1
42.5°	1404.1	1416.9	1461.5	1512.6	1538.1
45°	1327.5	1346.6	1391.3	1442.4	1467.9
47.5°	1257.3	1273.3	1314.7	1369.0	1394.5
50°	1183.9	1199.9	1238.2	1292.4	1311.5
52.5°	1110.5	1126.5	1164.8	1215.8	1235.0
55°	1033.9	1049.9	1085.0	1132.8	1148.8
57.5°	960.5	973.3	1005.2	1049.9	1062.6
60°	883.9	896.7	922.2	963.7	973.3
62.5°	801.0	810.5	839.3	877.6	890.3
65°	724.4	730.8	753.1	785.0	788.2
67.5°	644.6	651.0	673.3	695.7	705.2
70°	564.8	574.4	590.4	612.7	619.1
72.5°	488.2	497.8	513.8	532.9	536.1
75°	411.7	421.2	437.2	456.3	456.3
77.5°	338.3	347.8	367.0	382.9	382.9
80°	264.9	280.8	300.0	315.9	315.9
82.5°	204.2	217.0	242.5	255.3	255.3
85°	150.0	165.9	191.5	204.2	201.0
87.5°	108.5	124.5	146.8	156.4	153.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)