

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: P302281

Luminaire Tested: **RX-WO-75H935-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302281
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1902-133-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: RX-WO-75H935-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

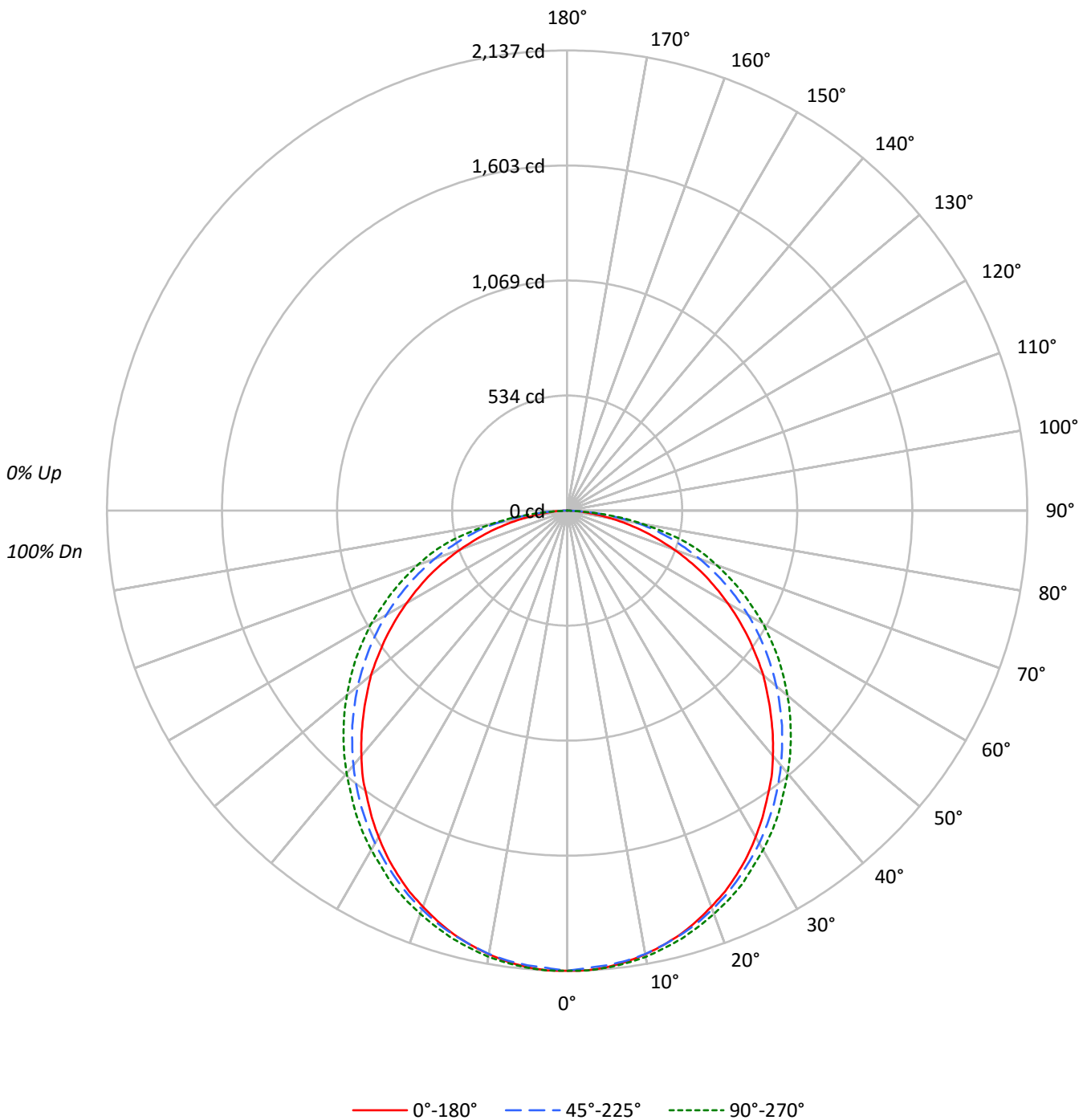
Lumens per Lamp: N/A
Luminaire Lumens: 6221.5 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 52.6
Input Voltage (V): 120
Input Current (Ain): 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	108	103	99	95	106	101	97	93	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	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	65	58	52	63	57	52	61	55	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	39	51	44	39	50	44	39	37
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2876	2876	2876
5°	2875	2863	2878
10°	2860	2857	2875
15°	2838	2841	2866
20°	2803	2822	2854
25°	2767	2797	2847
30°	2720	2772	2827
35°	2664	2744	2814
40°	2611	2712	2798
45°	2545	2685	2794
50°	2488	2656	2795
55°	2408	2632	2809
60°	2320	2613	2828
65°	2228	2589	2851
70°	2080	2570	2902
75°	1894	2576	2992
80°	1567	2548	2755
85°	1201	2024	1954



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.1	3.2
10°-20°	577.0	9.3
20°-30°	870.5	14.0
30°-40°	1045.1	16.8
40°-50°	1086.9	17.5
50°-60°	999.6	16.1
60°-70°	796.7	12.8
70°-80°	504.8	8.1
80°-90°	138.8	2.2
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°	1649.6	26.5
0°-40°	2694.7	43.3
0°-60°	4781.2	76.8
0°-90°	6221.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6221.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2137	2137	2137	2137	2137	
5°	2128	2128	2120	2131	2131	202
15°	2037	2037	2040	2055	2057	574
25°	1864	1873	1884	1911	1918	859
35°	1622	1640	1671	1702	1713	1016
45°	1338	1366	1411	1455	1469	1033
55°	1026	1060	1122	1178	1198	917
65°	700	735	813	875	895	690
75°	364	411	496	558	576	383
85°	78	111	131	129	127	93
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2137.4	2137.4	2137.4	2137.4	2137.4
2.5°	2137.4	2137.4	2126.3	2137.4	2137.4
5°	2128.5	2128.5	2119.6	2130.8	2130.8
7.5°	2113.0	2115.2	2108.5	2119.6	2119.6
10°	2093.0	2095.2	2090.8	2104.1	2104.1
12.5°	2066.3	2068.5	2066.3	2081.9	2081.9
15°	2037.4	2037.4	2039.7	2055.2	2057.4
17.5°	1999.7	2004.1	2008.6	2026.3	2026.3
20°	1957.5	1964.1	1970.8	1993.0	1993.0
22.5°	1915.2	1921.9	1930.8	1953.0	1957.5
25°	1864.1	1873.0	1884.1	1910.8	1917.5
27.5°	1810.8	1817.5	1835.2	1864.1	1866.4
30°	1750.8	1761.9	1784.1	1813.0	1819.7
32.5°	1688.6	1704.2	1728.6	1761.9	1768.6
35°	1622.0	1639.7	1670.8	1701.9	1713.0
37.5°	1559.7	1573.1	1608.6	1644.2	1650.8
40°	1486.4	1506.4	1544.2	1584.2	1593.1
42.5°	1413.1	1435.3	1477.5	1517.5	1533.1
45°	1337.6	1366.4	1410.9	1455.3	1468.6
47.5°	1262.0	1293.1	1339.8	1388.7	1404.2
50°	1188.7	1217.6	1268.7	1319.8	1335.3
52.5°	1106.5	1139.8	1195.4	1250.9	1266.5
55°	1026.5	1059.8	1122.0	1177.6	1197.6
57.5°	944.3	982.1	1046.5	1104.3	1122.0
60°	862.1	902.1	970.9	1028.7	1050.9
62.5°	779.9	817.6	893.2	951.0	970.9
65°	699.9	735.4	813.2	875.4	895.4
67.5°	613.2	653.2	733.2	797.6	815.4
70°	528.8	568.8	653.2	719.9	737.7
72.5°	442.1	488.8	573.2	637.7	662.1
75°	364.4	411.0	495.5	557.7	575.5
77.5°	282.2	328.8	415.5	459.9	462.1
80°	202.2	255.5	328.8	346.6	355.5
82.5°	133.3	184.4	226.6	248.8	248.8
85°	77.8	111.1	131.1	128.9	126.6
87.5°	28.9	37.8	31.1	22.2	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)