

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: P302251

Luminaire Tested: **RX-WO-75H835-UNV-24-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P302251
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-75H835-UNV-24-STD
Description: CORELITE CLASS RX 2X2 LED LUMINAIRE.
ROUND LENS, HIGH PERFORMANCE LUMEN PACKAGE.
Light Source: (588)3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

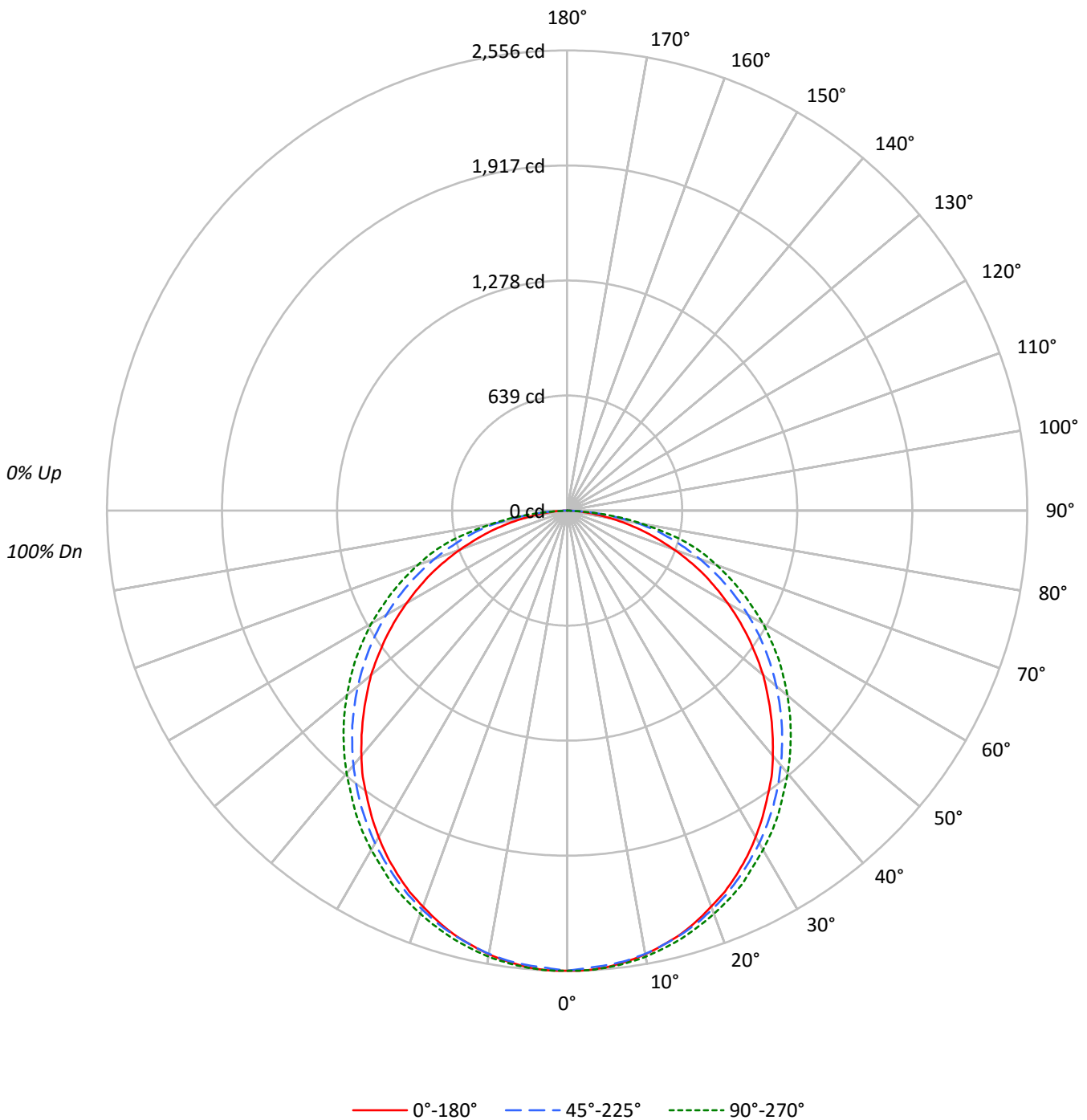
Lumens per Lamp: N/A
Luminaire Lumens: 7440.4 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	3439	3439	3439
5°	3438	3424	3442
10°	3420	3416	3438
15°	3394	3398	3427
20°	3352	3375	3413
25°	3310	3345	3404
30°	3253	3315	3381
35°	3186	3282	3365
40°	3122	3244	3346
45°	3044	3211	3342
50°	2976	3176	3343
55°	2880	3148	3360
60°	2774	3125	3382
65°	2665	3096	3409
70°	2488	3073	3471
75°	2266	3080	3578
80°	1874	3047	3294
85°	1436	2421	2339



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.7	3.2
10°-20°	690.1	9.3
20°-30°	1041.0	14.0
30°-40°	1249.8	16.8
40°-50°	1299.8	17.5
50°-60°	1195.4	16.1
60°-70°	952.7	12.8
70°-80°	603.7	8.1
80°-90°	166.0	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°	1972.8	26.5
0°-40°	3222.6	43.3
0°-60°	5717.9	76.8
0°-90°	7440.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7440.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2556	2556	2556	2556	2556	
5°	2546	2546	2535	2548	2548	242
15°	2437	2437	2439	2458	2460	687
25°	2229	2240	2253	2285	2293	1027
35°	1940	1961	1998	2035	2049	1215
45°	1600	1634	1687	1740	1756	1235
55°	1228	1268	1342	1408	1432	1097
65°	837	880	972	1047	1071	825
75°	436	492	592	667	688	458
85°	93	133	157	154	152	111
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2556.2	2556.2	2556.2	2556.2	2556.2
2.5°	2556.2	2556.2	2542.9	2556.2	2556.2
5°	2545.5	2545.5	2534.9	2548.2	2548.2
7.5°	2526.9	2529.6	2521.6	2534.9	2534.9
10°	2503.0	2505.7	2500.4	2516.3	2516.3
12.5°	2471.1	2473.8	2471.1	2489.7	2489.7
15°	2436.6	2436.6	2439.3	2457.9	2460.5
17.5°	2391.4	2396.7	2402.1	2423.3	2423.3
20°	2340.9	2348.9	2356.9	2383.5	2383.5
22.5°	2290.5	2298.4	2309.1	2335.6	2340.9
25°	2229.3	2240.0	2253.3	2285.1	2293.1
27.5°	2165.6	2173.5	2194.8	2229.3	2232.0
30°	2093.8	2107.1	2133.7	2168.2	2176.2
32.5°	2019.4	2038.0	2067.3	2107.1	2115.1
35°	1939.7	1961.0	1998.2	2035.4	2048.7
37.5°	1865.3	1881.3	1923.8	1966.3	1974.3
40°	1777.6	1801.5	1846.7	1894.5	1905.2
42.5°	1689.9	1716.5	1767.0	1814.8	1833.4
45°	1599.6	1634.1	1687.3	1740.4	1756.4
47.5°	1509.3	1546.5	1602.3	1660.7	1679.3
50°	1421.6	1456.1	1517.2	1578.3	1596.9
52.5°	1323.3	1363.1	1429.5	1496.0	1514.6
55°	1227.6	1267.5	1341.9	1408.3	1432.2
57.5°	1129.3	1174.5	1251.5	1320.6	1341.9
60°	1031.0	1078.8	1161.2	1230.3	1256.8
62.5°	932.7	977.8	1068.2	1137.3	1161.2
65°	837.0	879.5	972.5	1046.9	1070.8
67.5°	733.4	781.2	876.9	953.9	975.2
70°	632.4	680.2	781.2	860.9	882.2
72.5°	528.8	584.6	685.5	762.6	791.8
75°	435.8	491.6	592.5	666.9	688.2
77.5°	337.5	393.3	496.9	550.0	552.7
80°	241.8	305.6	393.3	414.5	425.1
82.5°	159.4	220.5	271.0	297.6	297.6
85°	93.0	132.9	156.8	154.1	151.5
87.5°	34.5	45.2	37.2	26.6	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)