

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: PORTFOLIO

Report Number: P251025

Luminaire Tested: **LSR8B70D010 EC8B70940 8LBW0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251025
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-44)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70940 8LBW0WMH
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 4000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6523.0 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.06
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

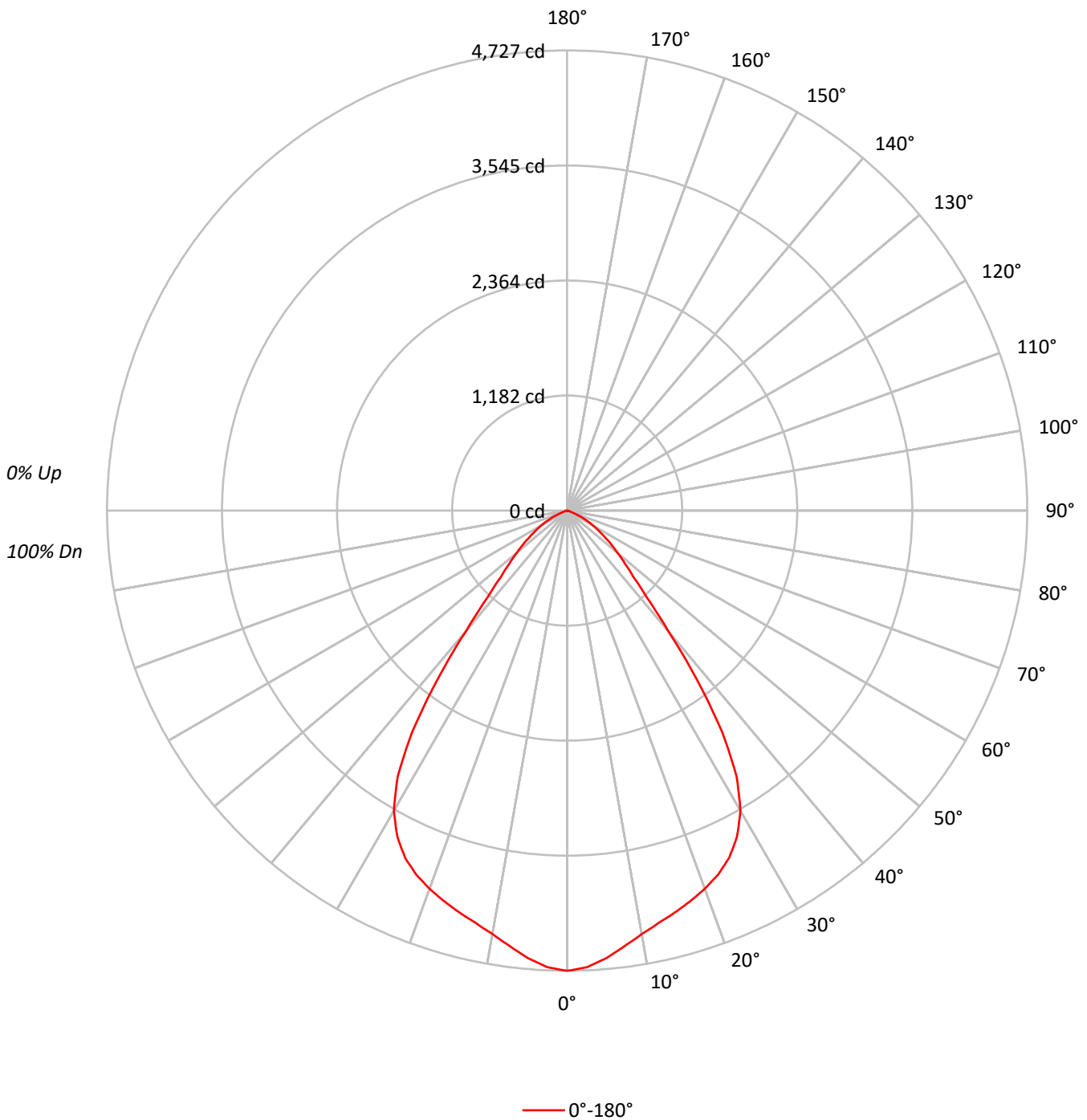
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	68
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	145773
5°	142841
10°	138315
15°	136453
20°	135639
25°	133922
30°	126724
35°	104519
40°	65264
45°	41969
50°	32545
55°	25053
60°	18983
65°	12338
70°	5274
75°	2585
80°	1154
85°	778



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	434.0	6.7
10°-20°	1207.6	18.5
20°-30°	1798.6	27.6
30°-40°	1670.4	25.6
40°-50°	789.0	12.1
50°-60°	423.9	6.5
60°-70°	170.2	2.6
70°-80°	26.8	0.4
80°-90°	2.6	0.0
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°	3440.2	52.7
0°-40°	5110.6	78.3
0°-60°	6323.4	96.9
0°-90°	6523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6523.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4727	
5°	4615	434
15°	4274	1208
25°	3936	1799
35°	2776	1670
45°	962	789
55°	466	424
65°	169	170
75°	22	27
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4727.3
2.5°	4694.7
5°	4614.6
7.5°	4512.7
10°	4417.3
12.5°	4339.3
15°	4274.3
17.5°	4207.1
20°	4133.4
22.5°	4048.8
25°	3936.1
27.5°	3777.9
30°	3559.0
32.5°	3238.2
35°	2776.5
37.5°	2187.0
40°	1621.3
42.5°	1207.3
45°	962.4
47.5°	804.1
50°	678.4
52.5°	565.7
55°	466.0
57.5°	379.3
60°	307.8
62.5°	240.6
65°	169.1
67.5°	99.7
70°	58.5
72.5°	34.7
75°	21.7
77.5°	13.0
80°	6.5
82.5°	4.3
85°	2.2
87.5°	0.0
90°	0.0

(END OF REPORT)