

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: P250989

Luminaire Tested: **LSR8B70D010 EC8B70835 8LBS0H**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-13)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B70D010 EC8B70835 8LBS0H
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 3500 CCT WITH SEMI-SPECULAR CLEAR TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8253.0 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.23
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

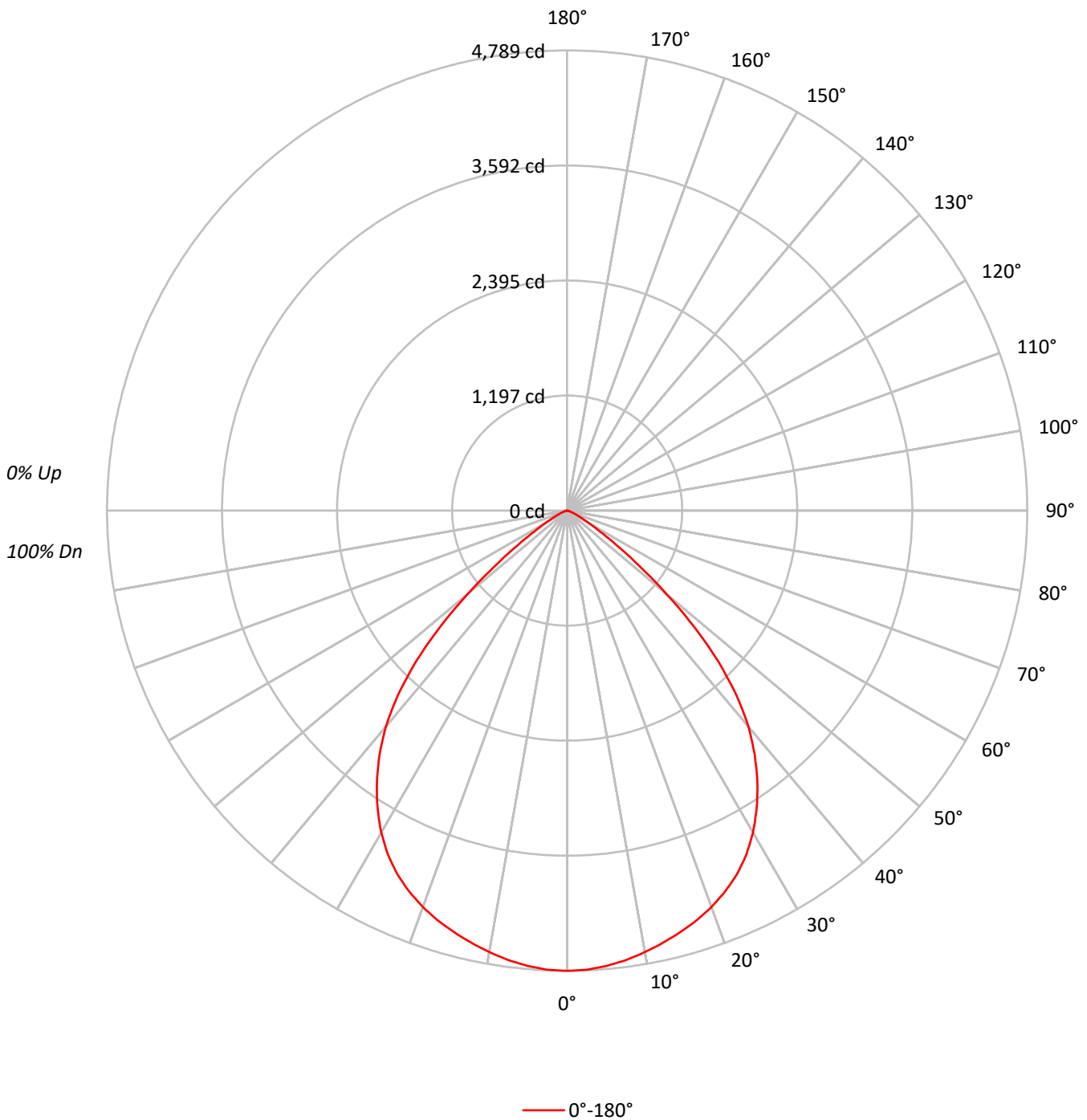
Input Watts (W): 75.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	110	107	104	102	103	100	98		99	97	95		95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	85	83	81
3	98	90	84	79	96	89	83	78	86	81	77		83	79	76		81	78	75	73
4	91	82	75	70	89	81	75	70	79	73	69		76	72	68		74	70	67	65
5	85	75	68	63	83	74	67	62	72	66	62		70	65	61		69	64	60	59
6	80	69	61	56	78	68	61	56	66	60	56		65	59	55		63	58	55	53
7	75	63	56	51	73	63	56	51	61	55	50		60	54	50		59	54	50	48
8	70	58	51	46	68	58	51	46	57	50	46		55	50	46		54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42		51	46	42		51	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38		48	42	38		47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	147687
5°	147199
10°	146080
15°	145050
20°	144069
25°	142173
30°	137780
35°	130000
40°	118145
45°	97213
50°	64797
55°	33757
60°	15912
65°	8347
70°	4165
75°	2895
80°	2166
85°	1734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.1	5.5
10°-20°	1282.4	15.5
20°-30°	1918.4	23.2
30°-40°	2145.8	26.0
40°-50°	1683.4	20.4
50°-60°	614.3	7.4
60°-70°	125.2	1.5
70°-80°	26.9	0.3
80°-90°	5.6	0.1
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°	3651.9	44.2
0°-40°	5797.6	70.2
0°-60°	8095.3	98.1
0°-90°	8253.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8253.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4789	
5°	4755	451
15°	4544	1282
25°	4179	1918
35°	3453	2146
45°	2229	1683
55°	628	614
65°	114	125
75°	24	27
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4789.4
2.5°	4782.1
5°	4755.4
7.5°	4716.4
10°	4665.3
12.5°	4606.9
15°	4543.6
17.5°	4473.1
20°	4390.3
22.5°	4293.0
25°	4178.6
27.5°	4037.4
30°	3869.5
32.5°	3672.4
35°	3453.4
37.5°	3207.6
40°	2935.0
42.5°	2611.3
45°	2229.2
47.5°	1798.5
50°	1350.7
52.5°	946.7
55°	627.9
57.5°	401.6
60°	258.0
62.5°	170.4
65°	114.4
67.5°	73.0
70°	46.2
72.5°	31.6
75°	24.3
77.5°	17.0
80°	12.2
82.5°	7.3
85°	4.9
87.5°	2.4
90°	0.0

(END OF REPORT)