

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: P250015

Luminaire Tested: **LSR8B80D010 EC8B80950 8LBN0WMH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250015
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13951)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B80D010 EC8B80950 8LBN0WMH
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
90 CRI 5000 CCT WITH WARM HAZE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6800.0 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.74 / 0.74 / 0.79
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

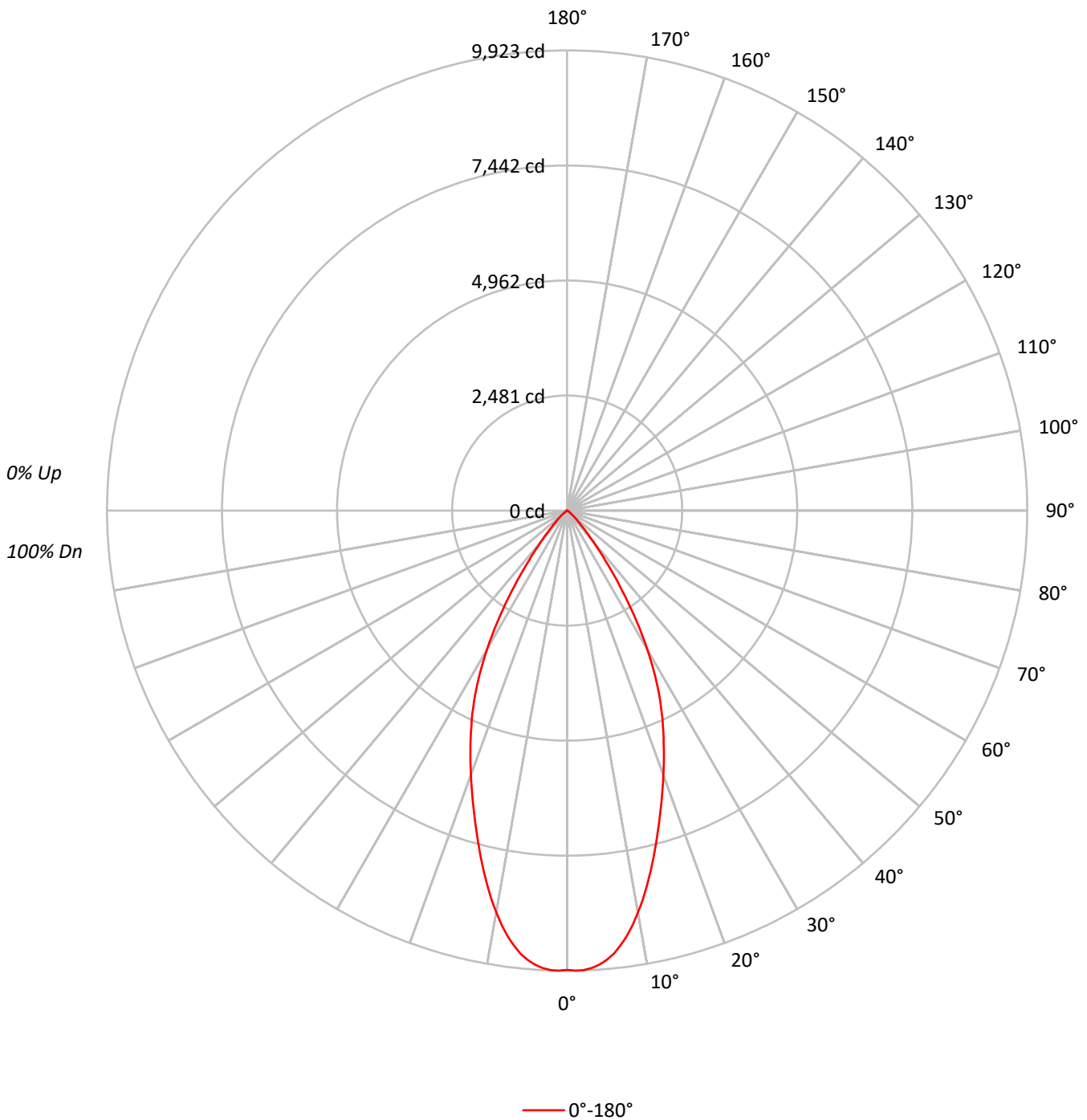
Input Watts (W): 74.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93		96	94	91		93	91	90	88
3	103	97	92	89	101	96	91	88	93	89	86		91	88	85		89	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80		86	82	79		84	81	79	77
5	94	86	80	76	92	85	80	76	83	78	75		81	77	74		80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70		77	73	70		76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66		73	69	66		72	68	65	64
8	81	72	66	63	80	72	66	62	71	66	62		70	65	62		69	65	62	60
9	78	68	63	59	77	68	63	59	67	62	59		66	62	58		65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	56		63	59	55		62	58	55	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	305415
5°	301159
10°	275518
15°	236554
20°	199205
25°	164588
30°	123452
35°	73587
40°	35061
45°	15272
50°	6927
55°	3054
60°	1752
65°	1036
70°	1073
75°	0
80°	426
85°	1663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	898.9	13.2
10°-20°	2062.5	30.3
20°-30°	2191.2	32.2
30°-40°	1250.2	18.4
40°-50°	310.0	4.6
50°-60°	61.0	0.9
60°-70°	18.4	0.3
70°-80°	4.4	0.1
80°-90°	3.5	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°	5152.6	75.8
0°-40°	6402.8	94.2
0°-60°	6773.7	99.6
0°-90°	6800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6800.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9904	
5°	9729	899
15°	7410	2063
25°	4837	2191
35°	1955	1250
45°	350	310
55°	57	61
65°	14	18
75°	0	4
85°	5	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9904.4
1°	9923.3
2°	9916.2
3°	9880.7
4°	9819.2
5°	9729.2
6°	9611.0
7°	9447.6
8°	9260.6
9°	9040.6
10°	8799.1
11°	8543.6
12°	8269.0
13°	7989.8
14°	7703.4
15°	7409.9
16°	7133.1
17°	6853.8
18°	6591.1
19°	6323.7
20°	6070.5
22.5°	5443.2
25°	4837.4
27.5°	4186.6
30°	3467.1
32.5°	2695.6
35°	1954.8
37.5°	1346.6
40°	871.0
42.5°	551.5
45°	350.2
47.5°	229.6
50°	144.4
52.5°	87.6
55°	56.8
57.5°	45.0
60°	28.4
62.5°	26.0
65°	14.2
67.5°	14.2
70°	11.9
72.5°	7.1
75°	0.0
77.5°	2.4
80°	2.4



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CANDELA DISTRIBUTION (continued):

	0°
82.5°	4.7
85°	4.7
87.5°	2.4
90°	0.0

(END OF REPORT)